

PO No	Supplier	Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplie Name
O038190	ACI001- VC	1.	1	Net 30	M1018R8750	M1018R0.750 : MATERIAL: AISI 1018- 1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108			,	(20	11)/3/2017	18		*S007165	Stock	11/6/2017	\$1.17/ft	C		\$21.16	Acier Ouellet Inc.
		2			MT-1144-91.000	1144 Steel Proof Round Bar 1.000" ASTM A311 OR UNS G11440				10		10		S007166	Stock	11/6/2017	\$5.47/ft	0		\$54.70	Acier Ouellet Inc.
		5			M606178R3.000	6061-15 Round Bar 3.000™: MATERIAL: 6061-1 T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft						10			Stock		\$ 20.59 / ft	0		\$205.93	Ouellet Inc.
		6			M6081T6#(3.250	8061-16 Round Bar 3.250": MATERIAL: 6061- 16/1651/16510/16511/162 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				6		6		S007168	Stock	11/6/2017	\$ 35.45 / R	0		\$212.69	Acier Ouellet Inc.
		7			М303-10.500	303 Hex Bar .500 : MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				12		12		S007169	Stock	11/6/2017	\$ 5,42 / R	0		\$65.00	Acier Ouellett Inc.
W.		8			M303R0/150	303 Round Bar 0.750: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft				60		62		S007170	Stock	11/6/2017	\$4.75/ft	0		\$294.22	Acier Ouellet Inc.
·		9			M303R1/000	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft				12		12		S007171	Stock	11/6/2017	\$ 7.90 / ft	0		\$94.82	Acier Ouellet Inc.
		10				303 Round Bar 2": MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft						13		S007172	Stock	11/6/2017	\$ 32.04 / ft	0		\$403.71	Acier Ouellet Inc.
		11			M2024T38.063	2024-T3 .063 Sheet: MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf				96		<b>96</b> )		S007173	Stock	11/6/2017	\$ 9.90 / s1	0			Acier Ouellet Inc.
		12		P	/	304 Ber. 250 X 4.00: MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				12		12		\$007174	Stock	11/6/2017	\$8.02 / ft	0			Acier Ouellett Inc.
		13		<i>I</i> ,	M3045/8GA	304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				96		(32)		\$007175	Stock	11/6/2017	\$ 5.36 / sf	0			Acier Ouellett Inc.
		14		N	N3045246A	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				32		(32)		5007176	Stock	11/6/2017	\$ 2.90 / sf	0			Acier Ouellett Inc.
		15		A	/5052H62S.040	5052-H32 .040 Sheet : MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR				64		64		3007177	Stock 1	1/8/2017 \$	3.28 / sf	0			Acier Duellette nc.

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	 Total	Supplier Name
					1	AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209 receive sf														
									Total:	442		379							\$2,253.45	

Plex 11/6/2017 3:19 PM Dart.Plouffe.Sonia



Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

#### PURCHASE ORDER PO038190

DATA PRE

Tel (613) 632-5200

Supplier: ACI001-VC

Ship To:

Acier Ouellette Inc. 935 Boul. Du Havre

Valleyfield

QC

J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696

1270 Aberdeen Street

Hawkesbury

K6A 1K7 Canada Phone: 613-632-5200

ON

PO No:

PO038190

PO Date:

10/30/17

Due Date:

11/3/17

Purchase Order

Ship-To Contact:

Revision:

Revision Date:

Phone:

Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: QUOTE NO SOU0066341

Items Order Received Unit Extended Line Due Item Tax Status Quantity Balance ltem Part Rev Description Date Quantity Price (CAD) Price 1-M1018R0.750 20 ft M1018R0.750 Firmed 11/3/17 20 ft \$1.169/ft \$23.38 MATERIAL: AISI 1018-18:10 18:19 1025 ROUND BAR DAS M1010S20GA AS PER 8 MIL-S-7097 OR ASTM 9-80 A108 2 MT-1144-R1.000 1144 Steel Proof Round Firmed 11/3/17 10 ft 0 ft 10 ft \$5.47/ft \$54.70 Bar 1.000" DAS ASTM A311 OR UNS 9 G11440 9-89 M6061T6B0.500X7.000 6061T6 Bar 0.500 X 7.000 Firmed 11/3/17 6 ft \$20.8333/ft \$125.00 0ft 6ft MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft 10 ft 6061-T6 Round Bar 3.000" Firmed 11/3/17 10 ft \$205.93 M6061T6R3.000 0 ft \$20.593/ft : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR **AS PER QQ-A-225/8 OR** AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft M6061T6R3.250 6061-T6 Round Bar 3.250" Firmed 11/3/17 6ft \$35.448/ft \$212.69 6 0 ft : MATERIAL: 6061-T6/T651/T6510/T6511/T62



Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

#### PURCHASE ORDER PO038190

Tel (613) 632-5200

				Ite	ms						
ine em	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft							2	
7	M303H0.500 and	-	303 Hex Bar .500 : MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft		Firmed	11/3/17	12 ft	0 ft 12 A		\$5.41666/ft	\$65.00
8	M303R0.750	-	303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft		Firmed	11/3/17	60 ft	0 ft 62+		\$4.7455/ft	\$284.73
9	M303R1.000	-	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft		Firmed	11/3/17	12 ft	12A	12 ft	\$7.901666/ft	\$94.82
10	M303R2.000	-	303 Round Bar 2" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft		Firmed	11/3/17	12 ft	0 ft R44	12 ft	\$32.040833/ft	\$384.4
11/	M2024T3S.063  DAS 9 9-80	-	2024-T3 .063 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf		Firmed	11/3/17		941		\$9.895833/sf	
12	M304B0.250X4.000	-	304 Bar .250 X 4.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed	11/3/17	∕12 ft	2A	12 ft	\$8.0225/ft	\$96.2
13/	M304S18GA  DAS 9 9-89		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR		Firmed	11/3/17	96 sf	recu 325		\$5.355/sf	\$514.0



Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

#### PURCHASE ORDER PO038190

Tel (613) 632-5200

				Ite	ms						
_ine tem	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				/				
14	M304S24GA		304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf		Firmed	11/3/17	32 sf	0 sf	32 sf	\$2.8975/sf	\$92.72
15	M5052H32S.040	-	5052-H32 .040 Sheet : MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209 receive sf		Firmed	11/3/17	64 sf	0 sf 645		\$3.28125/sf	

#### **Order Notes**

#### **DWG REV PR17**

**Procurement Quality Clauses** 

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="https://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.

Plex 10/30/17 8:15 AM dart.lavoie.chantal



Order - Sales

12

CO00059096

Billed to 1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7 DART AEROSPACE LTD Shipped to , Ontario, 935, Boul. du Hâvre
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242 Date Carrier Salesman Your order N° Customer No Processed by Delivery date **OUELLETTE VALLEYFIELD** 039190 Josianne Bourdon 2017/10/30 CL10001056 2017/11/03

**Delivery Route** Att : CHANTAL LAVOIE Tél.: 613-632-5200 **Credit Terme** 

Page Net 30 Days

Product Description   Weight   Qty   U/M   CMD   EXP   EXP   Interest   EXP   EXP   EXP   INTEREST   EXP   EXP					- uge			-		
ROUND CR 3/4 1018 RANDOM S332 9  IX 20° R/L (EAT: 4137945) 9-89  ROUND STRESSPROOF I RANDOM R5T-1-V 5804  IX 10° R647: 015380 9-89  COUPE A LA SCIE 1  ALU PLATE 1/2 6061-T651 RANDOM P-89  PAL-126061-V 4229  IX 7" X 22" HEAT 5/5 C  AC10703-TH-01/11	Product Description	Weight	40	M/U		PCS N	8		Internal Use Only	01
ROUND CR 3/4 1018 RANDOM DAS 30.00 20.00 PI_SCLB RCR-34-V 5332 9  1 X 20' R/L (FEAT: 41379A2) 9-89  ROUND STRESSPROOF 1 RANDOM RST-1-V 5804 RST-1-V 5804 RST-1-V 5804 PAL-126061-V 4229  1 X 7" X 72" HEAT		- Fire	44	0/19	CMD	EXP	В/0	IN	-	S
1 X 20' R/L (LEAT: 41379)29 9-89  ROUND STRESSPROOF 1 RANDOM  RST-1-V 5804  RST-1-V 5804  RST-1-V 5804  RST-1-V 5805  1 X 10' ABAT: 015380 9  COUPE A LA SCIE 1  ALU PLATE 1/2 6061-T651 RANDOM  PAL-126061-V 4229  1 X 7" X 72" HEAT 5 / C  AC10703-TH-01/11	ROUND CR 3/4 1018 RANDOM RCR-34-V <b>5332</b>	30.00		PI_\$CLB	1.00					
ROUND STRESSPROOF 1 RANDOM  RST-1-V  5804  IX 10' HS41: 015380  COUPE A LA SCIE  1  ALU PLATE 1/2 6061-T651 RANDOM  PAL-126061-V  4229  1X 7" X 72" HE4T  AC10703-TH-01/11  26.70  10.00  P1_SCLB  1.00  UN  25.38  3.50  P12_SCLB  AC10703-TH-01/11	1 X 20' R/L GEAT: 41379AB									
1 X 10' A647: 015380) 9 COUPE A LA SCIE 1  SCIE 1  ALU PLATE 1/2 6061-T651 RANDOM PAL-126061-V 4229  1 X 7" X 72" HEAT 3/C AC10703-TH-01/11	2 ROUND STRESSPROOF I RANDOM RST-1-V 5804	26.70	10.00	PI_\$CLB	1.00					
COUPE A LA SCIE  1  SCIE  1  ALU PLATE 1/2 6061-T651 RANDOM PAL-126061-V  4229  1 X 7" X 72" HEAT AC10703-TH-01/11  1.00 UN  25.38  3.50 PI2_\$CLB	1 x 10' A641' 015380 9									
ALU PLATE 1/2 6061-T651 RANDOM PAL-126061-V 4229 1 X 7" X 72" HEAT	E A LA SCIE		1.00	UN						
1 X 7" X 72" НЕАТ - 3/C AC10703-TH-01/11	3 ALU PLATE 1/2 6061-T651 RANDOM PAL-126061-V 4229	25.38	3,50	PI2_\$CLB	1.00					
	1 X 7" X 72" HEAT 3/0 AC10703-TH-01/11									
							•			



Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Order - Sales

Copy

CO00059096

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mt): 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mt): 514-336-4246 Ext.: 866-426-4242

Date Customer No CLI0001056 2017/10/30

Delivery date 2017/11/03

Your order N° 039190

Processed by Josianne Bourdon

Salesman Carrier

**OUELLETTE VALLEYFIELD** 

**Credit Terme** 

Page Net 30 Days

Brodiet Possibile		2			PCS NB	B		Internal Use Only	al Use	Only
a country bearing	Weight	Ath	M/O	CMD	EXP	B/0	I.	ı	S C	OUT
1 X 10' HEAT: (383734)	83.04	10.00	PI_\$CLB	1.00						
COUPE A LA SCIE 1		1.00	N							
S ROUND ALU 3 1/4 6061-T6 RANDOM RAL-314-V 5152 5152 1 X 6' HEAT: 200080207 AC10703-TH-01/T1	58.44	6.00	PI_\$CLB	1.00						,
6 HEXAGONE SS 1/2 SS303 RANDOM NS XSS-12303-V 8748  I X 12' HEAT: (429366) AC10703-TH-01714	8.83	12.00	PI_\$CLB	1.00						



Shipped to

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

## Order - Sales

Copy

CO00059096

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-426-4242 Date Customer N° Your order No **Delivery date** 039190 2017/10/30 CLI0001056 2017/11/03

, Ontario, Salesman Processed by Josianne Bourdon

Att : CHANTAL LAVOIE Tél.: 613-632-5200 **Credit Terme** Carrier Net 30 Days **OUELLETTE VALLEYFIELD** 

**Delivery Route** S Page

Product Description	Weight	2			PCS NB		Inte	Internal Use Only	Only
- Court Profit	Ascidist	Ary.	0/M	CMD	EXP B/O	NI O	1	s c	TUO
7 ROUND SS 3/4 303 RANDOM RSS-34303-V <b>5761</b>	90.12	60.00	PI_\$CLB	5.00					
8 ROUND SS 1 303 RANDOM NS RSS-1303-V 8519	32.04	12.00	PI_\$CLB	1.00					
1 X 12' R/L HEAT: 507X) AC10703-TH-01/1)									
9) ROND SS 2 303 RANDOM NS RSS-2-V 8931 I X 12' R/L HEAT. 439513	130.80	12.00	PI_SCLB	1.00					
AC10703-TH-01/11  10 ALU SHEET .064 (14G) 2024-T3 (4 X 12) FEAL-0644122024 3166	86.50	96.00	PI2_\$CLB	2.00					
2 X 4' X 12 (HEAT: 237101B1) 9-80									



Order - Sales

Copy

CO00059096

Billed to DART AEROSPACE LTD 1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7 Shipped to 935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) 365 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5596 Mtl: 514-336-4246 Ext.: 866-456-4242 Date Customer No Processed by Your order N° **Delivery date** 039190 CL10001056 Josianne Bourdon 2017/10/30 2017/11/03

, Ontario, Att : CHANTAL LAVOIE Tél.: 613-632-5200 **Credit Terme** Salesman Carrier Net 30 Days **OUELLETTE VALLEYFIELD** 

**Delivery Route** S Page

				sen .	•		1				
Product Description	Wainht	9	M/M		PCS I	NB		Internal Use Only	nalu	se O	nly
- Contract Priori	Meidir	Ail	D/M	CMD	EXP	В/0	IN	ı	S	0	TUO
AC10705-5A-01/11											
11 FLAT SS 1/4 X 4 SS304 RANDOM FSS-144-V 3522	40.80	12.00	PI_\$CLB	1.00							
1 X 12' R/L HEAT: 512698 DAS  12 SHEET SS 18G SS304-28 (4 X 8) 9	201.60	96.00	PI2_\$CLB	3.00							
3 X 4' X 8' HEAT: 6/0											
/	33,60	32.00	PI2_\$CLB	1.00							
1X4'X8' HEAT (849356)											
14 ALU SHEET .040 (18G) 5052-H32 (4X8) FEAL-040485052 3124	36.03	64.00	PI2_\$CLB	2.00							
2 X 4' X 8' HEAT: (17028037DX) DAS											



# ACIER OUELLETTE INC. 935. Boul. du Hâvre

Order - Sales

CO00059096

	SURCHARGE ENERGETIQUE FRAIS ENERGETIQUE	AC10706 TL 01/11	Product Description			1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	טאג - אפאסטיאנים בוס	Billed to			975.	
Total Weight (LBS): 1 883.88			Weight	Delivery Route	Att : CHANTAL LAVOI	, Ontario,		Shipped to			Fax: 450-377-4248 Mtl:	Salaberry de Valleyfield (Québec) J6S 5L1
S): 1 883.88	40		Qty U/M	U1	Att : CHANTAL LAVOIE Tél.: 613-632-5200						Tel.: 450-377-4248 MII: 514-336-4248 EXT.: 800-667-4248 Fax: 450-377-5696 MII: 514-336-4246 EXT.: 866-456-4242	(Québec) J6S 5L1
NIR . R.	0.00	CAR		Page	Cre	Carrier	Sale	Pro	You		2 Date	
NIB - B-109516-6		Ş	PCS NB		Credit Terme	rier	Salesman	Processed by	Your order No	Delivery date	rp	Customer N°
		8/0	8		15			•	-	rp		
		5		s	Net 30	OUELI		Josian	039190	2017	2017/10/30	CLI0001056
			Intern		Net 30 Days	OUELLETTE VALLEYFIELD		Josianne Bourdon	0	2017/11/03	10/30	01056
		0	10			ALLEYF		don		ω		
		00.				TELD						

Conditions:

All sold and delivered materials remain the property of "Acer Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the burer's expense. The warranty offered by All sold and delivered materials are at the burer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and nonered by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer needby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration energies of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this centract will lead to payment by accepts no and permits to the soller, at his choice to dam for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with linis document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 35% responsing change.

Prepared By:

Verified By:

Delivered By:

Time

Customer's Signature

3

Total (\$CAD) Deposit Balance

3 749.01

3 749.01 0.00 RCK-24-CU



47862

ARANA Y LUPARDO, 2 48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tfno.: 946480211 Fax: 946480128

Email: calpradera@calibradospradera.es

www.calibradospradera.es

#### CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 47862

ALBARAN Delivery Note Ne.

CLIENTE CUSTOMER

LES ACIERS TRANSBEC (1997) L'TÉE

Norma: EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm:

Bright steel products. Technical delivery conditions.

DAS

PRODUCTO SOLICITADO : PRODUCT ACCORDING ASTMA108

9 9.89

Nº PEDIDO Parchase Order	DESCRIPCIÓN Description	KGS	TOLERANCIA	OF	MONDONA Manusconen
VI 46700	12L14 RED. ESTIRADO 25,40 (1")	1.004	- 0,051	202437	25,40
PAR-47782	1013 RED. ESTIRADO 25,00	1,822	- 0.051	139261	25,00
PAR-17785	1018 RED. ESTIRADO 25,00	3.982	- 0,051	139283	25,00
PAR-47786	12L14 RED. ESTTRADO 12,70 (1/2")	1.000	- 0.051	137659	12,70
PAR-47795	1018 CUA. ESTIRADO 31,75 (1 1/4")	1.224	0.160	136439	31,75
SM-47572	1018 RED. ESTIRADO 15,88 (5/8")	1.008	- 0.051	916391	15,88
SM-47572	1018 RED. ESTIRADO 19,05 (3/4")	1.134	- 0,051	139479	19.05
OU-47832-	12L14 RED. ESTIRADO 12,70 (1/2")	1.000	- 0.051	137659	
OU-47832	1018 RED. ESTIRADO 19,05 (3/4")	1.190	- 0,051	139625	12,70
PAJ-48073	1018 CUA. ESTIRADO 9,53 (3/8")	983	-0,090	915990	19,05
PAJ-48075	1018 RED. ESTIRADO 15,88 (5/8")	1.150	- 0.051	916216	9,53
PAR-48154	1018 CUA. ESTIRADO 6,35 (1/4")	784	- 0.090		15,88
PAR-48154	1018 RED. ESTIRADO 7,94 (5/16")	1.090		915673	6,35
PAR-48151	1018 RED. ESTIRADO 22,23 (7/8")	3.034	- 0.051	916609	7,94
PAR-48154	12L14 RED. ESTIRADO 15,88 (5/8")	824	- 0,051	139773	22,23
MJP-47896	12L14 RED. ESTIRADO 25,40 (1")		- 0,051	916509	15,88
PAR-48154	1018 RED. ESTIRADO 28,58 (1 1/8")	784	- 0,051	202437	25,40
VIN-47094	1018 RED. ESTIRADO 22,23 (7/8°)	744	-0,051	916104	28,58
	1010 100. 121110100 22,23 (7/0 )	1.012	- 0,051	139824	22,23

Composición quimica de la colada / Chemical Analysis of Heal

MEDIDA	OF	COLADA	%	%	%	%	%	%	%	%	%	%	%
Measuremen	ef .	Cast Nr.	C	Cr	Cu	Mn	Mo	N	NI	P	Pb	5	Si
25,40 0,00	97	41300 AG	0,060	0,086	0,014	1,130	0,006	0,000	0,023	0.063	0,300	0,310	0,003
25,00 0.00		41403 G	0,150	0,000	0,000	0.630	0.000	0,000	0,000	0,007	0,000	0,014	0,135
25,00 0,00		41403 G	0,150	0,000	0,000	0,630	0,000	0,000	0,000	0.007	0.000	0.014	0,135
12,70   0,00	137659	41136 AA	0,067	0,025	0,016	1,057	0,004	0.000	0,018	0,053	0,192	0,283	0.018
31,75 0,00	136439	40201	0,159	0,000	0,000	0,806	0.000	0,000	0,000	0.018	0.000	0.024	0,183
15,88 0,00	916391	40619 AA	0,145	0,000	0,000	0,775	0,000	0.000	0,000	0,013	0.000	0.027	0,157
19.05 0.00	139479	41379 AA	0,151	0,000	0,015	0,841	0,000	0,004	0,000	0.012	0,000	0.029	0.204
12,70 0,00	137659	41136 AA	0,067	0,025	0,016	1,057	0,004	0,000	0,018	0,053	0,192	0,283	0.018
19,05 0,00	139625	41379 AA	0,151	0,000	0,015	0,841	0,000	0,004	0,000	0,012	0.000	0,029	0.204
1 2 2 1 0 00	915990	40878 G	0,140	0,000	0,198	0,760	0,000	0,000	0,000	0,016	0,000	0.033	0.242
15.88 0,00	916216	40619 AA	0,145	0,000	0,000	0,775	0,000	0,000	0,000	0,013	0,000	0.027	0.157
6.35 0.00 7.94 0.00	915673	40073 G	0,150	0,000	0,000	0,770	0,000	0,000	0,000	0,007	0,000	0,026	0,235
7.91 0.00 22,23 0.00	916609	41 174 GM	0,170	0.000	0,000	0,730	0,000	0,000	0,000	0,017	0,000	0,018	0,160
15,88 0,00	916509	41472 AG	0,173	0,000	0,132	0,817	0.000	0,003	0,000	0,010	0,000	0,022	0,218
25,40   0,00	202437	41252 AA	0,068	0,033	0,020	1,134	0,004	0,000	0,022	0,055	0,329	0,290	0,07.1
28,58 0,00	916104	40910 G	0,060	0,086	0,014	1,130	0,006	0,000	0,023	0,063	0,300	0,310	0,003
22.23 0.00	139824	41472 AG		0,000	0,000	0,635	0,000	0,000	0,000	0,013	0,000	0,016	0,137
, ,	37024	717/2/10	0,173	0,000	0,132	0,817	0,000	0.003	0,000	0,010	0.000	0.022	0.218

Características mecánicas / Mechanical proporties



ARANA Y LUPARDO, 2

48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tfno.: 946480211 Fax: 946480128

Email: calpradera@calibradospradera.es

www.colibradospradera.cs

#### CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

47862

Nº CERTIFICADO / CERTIFICATE NR.: 47862

ALBARAN Delivery Note Nr.

CLIENTE CUSTOMER

LES ACTERS TRANSBEC (1997) LIÉE

Norma: EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm .

Bright steel products. Technical delivery conditions.

MEDIDA Measurement	OF	COLADA  Cast Nr.	Resistencia Tens. strenght N/mm2	Lim.elástico Yield point 0,2% N/mm2	Alargamiento  Elongation  Lo=50 mm.	Dureza HB Hardness HB	Estricción %
25,40	202437	41300 AG	556,11	543,10	19,46	159,00	46,32
25.00	139261	41403 G	558,02	541,20	18,34	169.00	61,11
25,00	139283	41403 G	558,02	541,20	18,34	169.00	61,11
12,70	137659	41136 AA	512,37	482,16	13,80	169,00	60,12
31,75	136439	40201	510,00	370,00	22,00	0.00	0,00
15,88	916391	10619 AA	579,16	547,66	19,70	169,00	58,82
19.05	139479	41379 AA	611,80	592,66	18,78	180,00	63,05
12,70	137659	41136 AA	512,37	482,16	13,80	169,00	60,12
19,05	139625	41379 AA	611,80	592,66	18,78	180,00	63,05
9,53	915990	40828 G	783,23	761,48	10,92	247,00	0,00
15,88	916216	40619 AA	574,47	549,90	20,16	162,00	64,21
6,35	915673	40073 G	822,40	791,50	7,94	258,00	47,07
7.94	916609	41174 GM	754,80	715,70	12,24	216,00	58,26
22,23	139773	41472 AG	573,78	552,34	25,92	172,00	57,86
15,88	916509	41252 AA	622,39	607,75	12,72	200,00	48,37
25,40	202437	41300 AG	556,11	543,10	19,46	159,00	46,32
28,58	916104	40910 G	568,80	546,30	32,76	169,00	59,00
22,23	139824	41472 AG	573,78	552,34	25,92	172,00	57,86

#### Calidad Superficial

DESCRIPCIÓN Description	OF	Clase EN 10277-1
121.14 RED. ESTIRADO 25,40 (1")	202437	3
1018 RED. ESTIRADO 25,00	139261	2
1018 RED. ESTIRADO 25,00	139283	2
121.14 RED. ESTIRADO 12,70 (1/2")	137659	3
1018 RED. ESTIRADO 15,88 (5/8")	916391	2
-1018 RED. ESTIRADO 19,05 (3/4")	139479	2
12L14 RED. ESTIRADO 12,70 (1/2")	137659	3
1018 RED ESTIRADO 19,05 (3/4")	139625	2
1018 RED. ESTIRADO 15,88 (5/8")	916216	2
1018 RED. FSTRADO 7,94 (5/16")	916609	2
1018 RED ESTIRADO 22,23 (7/8")	139773	2
12L14 RED. ESTIRADO 15.88 (5/8")	916509	3
12L14 RED_ESTIRADO 25,40 (1")	202437	3
1018 RED. ESTIRADO 28,58 (1 1/8")	916104	2
1018 RED. ESTIRADO 22,23 (7/8")	139824	2



ARANA Y LUPARDO, 2

48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tfno.: 946480211 Fax: 946480128

Email: calpradera@calibradospradera.es

www.calibradospradera.es

#### CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

Nº CERTIFICADO / CERTIFICATE NR.: 47862

3.1

ALBARAN Delivery Note Ne.

47862

CLIENTE

LES ACIERS TRANSBEC (1997) LTÉE

CUSTOMER

Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm:

Bright steel products. Technical delivery conditions.

Observaciones: BARRAS DE ACERO ESTIRADAS EN FRIO SIN ALEAR

DEPARTAMENTO DE CALIDAD: Certifica que el mencionado producto cample con las especificaciones del pedido. QUALITY DEPARTMENT: Certify that the product fulfils the order specifications.

Fechs/Date: 19/06/2017

Firmado: Susana Fernández

Directora de Calidad

Sistema de Gestión ISO 9001:2008

#### Union Drawn Steel II LP

1350 Burlington Street East, P.O. Box 98 Hamilton, Ontario, Canuda L8N 3A2 Phone: (905) 547-4480, Fax: (905) 544-3852 1-800-263-9966

## CERTIFICATE OF ANALYSIS CERTIFICAT D'ANALYSE

DATE	12/21/16	N	CUSTOMER		NT	в 97	554	MILL ORDE NO DE LA	R NO 2	56818	-00	
	DESCRIPTION DESCRIPTION							BILL OF LA BONDE CONNA				
	L 97	FE1482	9343	YOUI	RITEM	# : \	71995	2				
(	1 RD 114	4) 20/2	2 FT									
	"CENTURY" COLD FINI COLD DRAW STANDARD C .40/.48 TRANSPORT CHEMICAL ASTM A108 FINE GRAI	N AND S AISI TO MN 1.3 BY TRU & MECHA / A311	TRESS I LERANCI 5/1.65 ICK - PI NICAL	RELIEVI ES P.040 ROTECT LEST RI	E ANNEA DMAX S WITH T	.24/. ARP						
LADLE	COUNTRY O HOT ROLL NAFTA CER ANALYSIS/ANALYSE HEAT NUMB	SOURCE TIFIED DE LA COUILI	: HAMII YES: LER A COULER	LTON SI	PECIALT NO:	Y BAF	1.48	0 Р.	.009	S.		.279
-	REAT NUMB	EK OIS	100	SI.	. 200	CU.	.16		.070			.080
				CB.	. 200	v.	. 10	MO.	.026			.000
				В.		AL.		SN.	.020	10	•	
MECHA	NICAL PROPERTIES	/PROPRIÉTÉS	MECANIQUES			AL.		314.				
	HEAT NUMB	ER 0153	880					ONGATION (2 INCHES LONGEMENT	12	.000	%	
	RENGTH 1	23000	P.S.I.	@ .2%	OFFSET			EDUCTION OF AREA	33	.000	%	
TENSILE RESISTA	STRENGTH NCE A LA TRACTION 1	34000	P.S.I.					ARDNESS URETE	255	НВ		
	MAG TEST	ROTO TEST		JLTRA NIC TEST		,	VITH SPECIFI RECORDS OF	ERTIFY THAT THE MAT CATION, AND THAT T THE COMPANY ÉSENTES NOUS CEN	THE RESUL	IS ARE CO	RPECT	AS CONTAINED IN T
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Co Al Other	0 0 35 US	<b>9</b>	o 🖭	0 12	0 153	0	10.0 FI	Z <sub>0</sub>	o E	0.07	0.89 0.89	Mn 0.04	0.22	0.15	0.62	Alloy 6061	A.11	Cast Number 3B3734
					ĺ	1										osition	Comp	Chemical Composition
		,89.2	Rockwell F 88.5,88.8,89.2	Elongation 1	Flon	(KSL) 43.20		46.10	46.11 46.11		Oct/06/2016	0at/				6061		A.11
Conductivity	R S	k/a	Hardness		Pe	rength	Yield Strength	) DSIHE	Ultimate Tensile	E	Test Date	Tes				Alloy		ot
			I													perties	al Pro	Rechanical Properties
		+																
•//	CERTIFICATION MILL TEST ASTM B221-14	NON TOWN	MILL TEST	₹ Ω				NOLLETTON	3" ROD		SO04665	SO04665	SCU				1	3" ROD
MADE IN CANADA	E IN C,	MAC		S	HOUSE ACCOUNTS	USE A		T6	6061			100664	10			E	LIBIT	ACIER OUELLETTE
358425	14	1	197683 - 14		0	OLO LOIZO IO	1	TOUS TOUS	VOV			Sacts CUSTOMER PO	CU	S.				SHIP TO
MANIFEST NO.	ORDER NO.	OR.			WENT	DATE OF SHIPMENT	DATE	4665	DIENUMBER			TCODE:	1110 CERT CODE	***				

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

SK 17/11/03

David Natale
Quality Control Manager

1 - CUSTOMER COPY

PU.10702

ACIER OÚELLETTE DIV-VALLEYFIELD PARRE RONDE ALUMINIUM 6061-T6511 3 250" DIA X 72.0000" PART NO.

#### PO/Rd AC00010703

Nous certifions que le document reproduit ici est une copie conforme du rapport foumi par le foumisseur du materiel ou les dannées resultent

Certificate of Mill Test Results

de l'analyse taite par un laboratoire qualifie.



Pg 4/1

## FABRICATED PRODUCTS

#### CERTIFIED TEST REPORT

http://Online.KalserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO ML49048

CUSTOMER PO NUMBER.		CUSTOMER	PART NUMBER		PRODUCT DESCRIPTION	1	
VIM-643200-3		R84/STK			KAISERSELECT F	PRECISON RO	D(3.250 +/012
KA:SER ORDER NUMBER	LINE ITEM		SH P DATE		KAISER LOT NUMBER	ALLOY	TEMPER:
8038506	003		09/15/2017	1	200080207	6061	J6511B
WEIGHT SHIPPED.	QUANTITY.		B/L NUMBER	-	DIAMBALTHENS	HIGH	LENGTH-
1054.000 LB	9.000 PC	S	620309				12 000 F

#### **Actual Physical Properties**

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG*	HARD	NESS	CONDUCT.	BEND
200080207	0001	0001	53.9	50.6	14.0	RE	91	N/8.	N/A
Z00080207	0001	0002	56.3	53.1	16.1	RE	92	N/A	N/A
200080207 /	0002	0001	53.5	50.1	15.4	RE	94	N/A	N/A
200080207	0002	0002	54.4	51.1	14.9	RE	94	N/A	N/A

#### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fo	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Ві	Zr	Ea	Tot	
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.23	0.13	NA	MA	1,44	1,15	\ : *	
Minimum	0.40	0.00	0.15	0.00	0.60	0.04	0.00	~ ft, (16)	5, 1,	44	7. *	1 (		
107685	.73	. 29	. 26	. 64	.93	, 1' 3		. + 2						

Applicable Requirements

PER ASTM-B221-14, STENCISED ASME-SB22 DDC) PECT IN THE AM 1. 1 -1 00 1 AM 1. METS ALL SPECIFICATION RECUIREMENTS FOR ADE - 0511 17 01024 - MILHOUS MILHOUS PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD 36.0 B01 MIN LLUNGSAUDN - 10.0 MIN

#### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

#### CERTIFICATION

Raiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown a Kaiser's general terms and conditions of sale. Test reports are on file, subject to examine loss.

Aimee L. Macnowski, Quality & Technology Manager

Jumes of Macroward

Plant Seria : . . . . . . . . Kalser Order Gumber: 615-140 Mine Diema 003

Page 1 of 1

M 29096 DART

ACIER OUELJ ETTE DIV-VALLEYFIELD BARREHEX ACTER INOX 303 SO HEX X 144,0000° PART NO.

PO/Rel AC000 10703

Nous certificus que le document reproduct ce cen-ure copie conforme du rapport formit par le fournaisseur du materiel ou les dannées resultent

Certificate of Mill Test Results

All divises for granteers on the proof SIGNLEAR





CE	RTIFICAT	O DI	COLL	AUDO - AB	NAHMEPI	RUEFZEU	GNIS - INS	SPECTIO	N CERT	FICATE -	CERTIFICA	AT DE	RECEPTION
in confo Namus:s	ormela a . E	N 10	204	(2004) ,							r MESTO		
VALBRI 8724 HQ	BOROLUPAR UNA CANA OLGATE C 1 - MILTON	DALTI	D NT		State of Laboration Contracts Laborated	de	Hot rolled -	Annualed	Cula Diaw		Hore In Barracion (roman	*41	
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	Sperigione: Priorybisht	D-VI	17016	934	Marca; Marca; Mand Mar	edra-cut	MV188ZHS	MAXIVA		FUNCO FOR YOU MOZOG	nature 303H5		
SPECIFIC	CHE:				Note:					parana			denote
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ASTM AS	0991	A		. John war	STM A484-16	TABLE 8	1	7/q,	Con	ta Fe	Public form	-	(050 P
ASTM AS MIL-C-86 QQ-S-764	5827012 S 7 B/1 303 4 B/2 303	A		. John war	STM A484-16	TABLE 8	Lungh	ezza - In	Cole	En Pro		-	4 9499
ASTN AS MIL-S-86 OO-S-764	0999 Hexa	A stro		Dar Ohr	STM A684-16	TABLE 8	Lungh	1/ 150	Ccir 4293	686 F		.905	to a
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Pos ny  Pos ny  TEST	0999 Hexa	A stro	Pour Sage of	Or Original Projector	STM A484-16	TABLE 6	TATO DI FO	V 150 ORNITURA de fourritur	4293	BODYs of mare		.909 Vegado	624605680 Durezza Paren
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#### THYSSENKRUPP MATERIALS NA

ACIER OUBSLETTE DIV-VALLEYFIELD BAR (E HEX ACIER INOX 303 .50" HEX X 144.0000" PART NO.

Nous certifions que le document reproduit les est une copie contorme du rapport foumi par le fournisseur du materiel ou les dornées résultern

Certificate of Mill Test Results

BL VIM 5 5667 001

PIN. FIS

Pg 2.2

de l'amilyse faite par un laboratorie qualifie SIGNE PAR



### Acciaierie Valbruna s.p.A.

36100 VICENZA (tusta) - Vialo seka scienza, 25 z.l. Telelono 0444 968211 - Fax 0444 343836 Stab. J9100 BO:ZANO (tusta) - Via A. Volte, 4/37 Telelono 0471,924111 - Fax 0471,924407

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformad a EN 10204 (2004) , 3.1 / ISO 10474 (2013) , 3.1

Confications MEST084794 ! 2017 /

VAI BRUNA CANADA LTD 8724 HOLGATE CRESCENT LST 521 - MILEON, ONT LST 521 - CA

Store di fornitura Hot rolled - Annealed Cold Drawn Eath bustons Between states Eather to August

Produktion

ACCIAIERIE VALBRUNA S.P.A.

Ontre nr. 705006369 Stock - Canada The Wales

COA+3 productedad in not Maring discours

303HS

Marchi 3 Enhonce

Conforma ordine nr: El17005542

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Arwiso di Spadizione: D.VI17016934

Maren: No hat destroyening Brand in his money MV188ZHS MAXIVAL

Penzonatura, 303HS

Produced without class I-II Ozone deploting substances.
Solution heat treated free from continuous carbide network. Micro and macro etch test : OK Raduction ratio = 176,7:1 Annealing temperature: 1940° F for 0.5 h/water, Material is DFARS Compliant

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(Abiliar) and manufactured in Italy

No welding or wals rapid: Meterial true from Mercury consumers on

We declare that the finished product is checked for reducative currismention through Fortal System when it leaves the production plant

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001: 2009, ISO/TS18949: 2009, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive P07/23/ECT Annax 1 s.4.5 and 3014/58/EU by TUEV and EUCYD S Any act of tampering, modification, alteration, counterfeiting ander fatatication and/or any other action which modifies the contents of this test certificate shall constitute a violation of Applicable civil and criminal laws. Accessere Vallerina shall protect its rights and interests history any competent count, as the contents of this test certificate shall constitute a violation. Mausival and/or Valphus grades/products are manufactured with ladie techniques to control composition, distribution, size and shape of non-metallic inclusions for improved

Interminations,

The supplied product conforms to requirements aspensibly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more several, critical and/or in any case deferent applications than those this material is generally intended for, any deferent ane/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Accounts Valencia. SpA shall not be responsible for any endroper use of the

Vicenza, 12/05/17 (Not. NCE2) ----

Il colloudatore di statificacco / der Werkerschverstangian /

M.RIZZOTTO Scent

Pagina - 2 di 2

RSD-プラルコで

Management Systems Certified by I RQA 150 9001 / SGI 6000360 ISO 14001 / SGI 1474678

101101 ACEROS INOXIDABLES

Brade Mark - Zeichen des Frichestenlige Veranammeren some strador

Works Inspector Storip Weekson becomming 3

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Certificate type - APZ Nach EN 1020	4/3.1	Certificate nº - Pru Certificado nº	271387		e-Datum-Fect	-
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Steel Grade V/erkstoff Calidad AISI-303	^	Entsp	ding to rechered AST sponse	M A 582 J	A 582M-12	2.
Shape and Size - Gegenstad Perty cimorison ROUND 3/4"	Tol	ce - Toleranz lerancia A 484 /TB.7	Bundles Bunde 2 Builtos	Bars State Barras	Weight Gewiicht Peso	2549 Lbs
	Requirement	s - Anforderungen - C	rigencias			
QQ-S 7648-70. AMD2 COND.A. SAE AMS 5640U-07, TYPE I. EN 10.088-3.2014. 1.4305. MECAMAX - PLUS		. 04	Rizli	1/03		

Melling process / Frschmelzungsart / Proceso de Fusión

Heat freatment / Warmenehandlung / Tratam-ento termico 1050C 4H/Sid WATER/WASSER/AGUA

E.A.F. / A.Q.D.

Solution annealed/Abgeschreckt/Hipertemple-Cold drawn/Gezogen/Estirado-Polished/Poliert/Pulido-

					1e	st results -	Ergebnis	der Pr	น/ยngen - F	Resultado	es de los ensa	NYTS		
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Remarks - Bemerkungen - Observationes

Free From Mercury contamination/Quecksilberfreiheit. No weld repair

PDV - FDP Acc. EN 10,204 Marian fejedo Quality Mng.

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BL VIM-52So

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Att for the man by 122 Co.

Cortificate: 334032 13

PO,10703

Customer:

007205 001

North American Stainless Canada Inc. 740 Imperial Road North Guelph, ON N1K173

NAS

METALLURGICAL TEST REPORT

6870 Highway 42 East Ghent, KY 41045-9615 (502) 347-6000

rinish: CD

1001 Date:/

103 W18/2017

Page: 1

Corresion

MAS Oruez: IN 0253109 01

Round Bar, Ambanied, Cald Draw
UNB 10300, ASTW A582/12) EM 10204 3.1, ASTW A484/16
AMS 5640V TYRE 1, 2085/548 CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN, ASTN #899/12b

PRODUCT

DESCRIPTION:

Your Order:

VIM643222

IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION COMPLIES W/MEQUINEMENTS OF DPAN 252.225-7009 EU DIRECTIVE REMARKS: 2011/65/20.Roks. EAF+AOD+CC. NO WELD MEPAIR. MELTED AND MEG Red Ratio: 69.4 11

BI9519 8 Product H Skid # Diamotor 1.000 82.28 Weight 809 ----Length----144.00 Mark Pieces Commodity Code

CHEMICAL

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SISATVN

CW(Country of Mett) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Cortificato# L2323 Chemical Analysis per ASTN A751/14a

507X Was Heat Q S O ۵۵ عر .037 .3180 SI & 8 . 55 . 10 <del>1</del> 17.06 a . 31 N NX 1,82 ¥0 % . 27 Z .035 % IN 8.51 .030

MECHANICAL М ROPERTIES

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material mosts the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

BL VIN-525007-002

SIGNE PAK

une copie contoure, de la principation el

PO/Rel AC morto res

NAS

North American Standess Canada Inc. 740 Imperial Road Sorth Guelph, ON SIKI/1 Canada

> METALLURGICAL TEST REPORT

(502) 347-6000 6870 Highway 42 East

Your Order: VIM543222

NAS Order: IN 0253109

Corrosions Pinish: CD

Stool: 303

Dato: 9/18/2017

Pagu: 1

10

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 152.325-7009 ED DIRECTIVE 2011/65/EU.RoHS. ENF+A0D+CC. NO WELD REPAIR. MELTED AND 100G Red Ratio: 69.4 :1

IN USA FREE FROM MERCURY AND LOW MELCING ALLOY CONTAMINATION

PRODUCT DESCRIPTION:
Round Bar, Annealody Cold Draw
UNS 30300, ASTM A582/12 KN 10204 3.1, ASTM A484/16
AMS 5640V TYPE 1 005-7646 COMDITION A
SOLUTION ANNEAL TEMP 1900V MIN, ASTM F899/12b Jul 17/11/03

CHEMICAL BI9519 6 Product Id Skid # Diameter 1.0000 3120 Neight Longth----144.00 Mark Simces Commodity Code

Chi(Country of Mett) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323 Chemical Analysis por ASTH A751/14a

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HB .2Y8 UTB AA Elng AB 203.0 78.71 98.33 38.63 27.11
UT9 RA Z1:
70.63
Elng % 4D 27.11

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entiraty, without the written approval of NAS.

Technical Dept. Kgz.

T02/81/6

PO/1070 Z
Certificate of Mill Test Results

A.....s OPELLETTE BIV-VALLEYFIELD BARRE RONDE ACIER (NOX 303 200" DIAX 141,0000" PART NO.

#### PO/Rel AC00010703

Nous certifions que le document reproduit rei est une copie conforme du rapport formir par le formisseur du materiel on les conneces resintent de l'analyse finte par un laboratoire qualitie. STONT PAR

沙州

Eartenan Birth' (VILL A.VA. Lapalia P.O. Mar I. 121/88/08/19), Inc. Trl. 14-(4) 5-71-73-00 Tan 34-(4) 8-53-16-36 ACEROS INOXIDABLES Formagerand Systems Contribut by 180A 180A 150 9901 / 661 6600344 150 14001 / 661 1870679 Trink Maris - Zorchen des Lecterisches Angegwenn del sammismadie Works Imperior Stamps - Westmachwest indig Saile del leanester Certificate type - APZ Nach EN 10204/3.1 Certificate nº - Prof-Nr Date - Eurum - Fecta 323291 Cert cado ra 11 - 09 - 2017 Our order N° Werks - Nr Heat Your order 1º Reste I - Nr Schnielze Golada 641171 439513 VIM-641197 N° de Referença Pedico Nº Steel Grade According to Entaprechand AISI-303 Werkstaff ASTM A 582 ) A 582M-12 Calidad Corresponde Shape and Size - Gegenstad Toterance - Tawrenz Bundles Weight Toleranda Governt 10163 Lbs Bunne 8 Stine ROUND 2 ASTM A 484 /TB.7 Buitos Barras Requirements - Antorderungen - Euspencius QQ-S 764B-70 AMD2 COND A SAE AMS 5840U-07 TYPE I. EN 10.088-3.2014. UNS S30300-1,4305. sul 17/01/03 **MECAMAX - PLUS** Malting process / Erschmeizungsart / Proceso de Fusion nt " Marmedenandung / Tratam untu te much 105CC 4H/SID WATER/WASSER/AGUA E.A.F. / A.O.D. Solution annesled/Abgeschreckt/Hipertemple-Turned/tirehen, Torneadu Polished/Polieru/Hulidu Test results. Ergebnis der Prulungen - Resultados de dis ensayes Dimension of Specimen Rp0 259 Ro 1% Haroness nidactitest / Kersbschlag / Resilencia Almossungen ses Probestabos KSI KSI NL SD SE 4D -KSI ISO V R ID Medida de las probetas HBW Mir RD. 12,50 mm. Max 252 Temperature\*C | Spec N° 20 | Probe Nr Pro N° 47 52 89 53 58 179 C Sı Ma P S Cr No Ni Cu Co N Min 0,150 17 00 8.00 Marc 0.150 1.00 2,00 19,CG 10.00 0.70 0.1000 0.043 0.36 1,80 0,038 17.55 0,313 8.00 0.31 0.47 0,0315 0.14 Visual and dimensional Inspector Busichtingung und Ausmessung O.K. Confect visually dimensional Radioactivity inspection Radioaktivitätskontrolle O.K. Control de Radoactividad Antimising test Spektosk Verwechslungspr. O. K. l Crain Stae l Korrejosso Tamaño de gruno Remarks - Bemerkungen - Observationes FDV FDP Free From Mercury contamination/Quecksilbertraileit No weld repair Acc. LN 101.01 Marian Teredo Quality Ving. Jer Welkauschspreimers Emportur de falmica



Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

#### **CERTIFIED TEST REPORT**

									Serial I	Numb 1876	er		
CUSTOMER PO N	UMBER:	Iwos	RK PACKAG	F. CUSTO	WED DAG	T NUMBER		Lavor					
C74502-6			III TAGRAGE	.   00370	MER PAR	I NUMBER			PRUNILOAD:	GOVT	CONTRACT	NUMBER:	
KAISER ORDER	10:		SHIP DATE:	TALI	LOY:	CLAD:	TEMP		PRODUCT	Feedin	7101		
1239517-6			21-AUG-		24	BARE	T3	)	HT Flat S		RON:		
WEIGHT SHIPPED	: QU	ANTITY:	TR	UCK B/L #:		OAUGE:	1.0		DIAMETERAN		LENGTH		
3411 LB	77	PCS ES	ST. 20	068552		0.0630	N 1.6002		48.000 IN	219.2 MM	144.00		45053.0.0
MHU 21423	320: LOT	237101	B1: 77 ni	erite:	14969				110	13.2, 131191	<u>'</u>		(3657.6 M
Test Code: Lot: 237101 (ASTM E8/B (EN 2002-1) Tensile:	B1) C	ast 495	-/#Tests	- Drop 73	Tes	25/RevV  t Resul ingot	1	Viol	d VCt (back				in USA
	Т3		/ 2 (Min:1		66.8 : (461 :	67.2		44.8	d KSI (MPA 3 : 45.4 9 : 313)	)	Elongation 19.2 : 1		
(ASTM E125	1)												
Chemistry:	SI	FE	CU	MN	M	G C	R	ZN	TI.	v	ZR		OTHER
Actual(wt%)	0.06	0.19	4.6	0.60	1.	_		0.14	0.02	0.01	0.01	TOT	0.02
					ALLO	Y LIMITS							
2024	SI	FE	, cu	MN	M	G C	R	ZN	TI	٧	ZR	OTHER	MAX
MIN(wt%)	0.00	0.00	3.8	0.30	1.3	2 0.0	<b>o</b> o	00.	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	B 0.10		.25	0.15	0.05	0.05	TOT	0.05

Aluminum Remainder



Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

#### **CERTIFIED TEST REPORT**

Serial Number 4474876

#### CERTIFICATION

Kaiser Aluminum, Trentwood Warks, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

\*has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

All test equipment and measuring devices are colorated and certified in accordance applicable specifications. For material thicknesses outside specification fimits, mechanical properties are as shown herein, and chemical composition meets specification requirements. Reported elongations have been measured as elongation at fracture.

\*was method in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for demestic content.

was metted in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country or DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country per DFARS 275.872-1(a), was manufactured in the United States of America or a qualifying country for United States or a qualifying country for United Stat

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

Jemennay

Page 2 of 2

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## CERTIFICATE OF TEST

AL 6168-6 0814

CUST ORD NO & DATE 09/12/16 788650 CUST CODE

REPEAT DO ORDER PATE 00023-0 25 PRIME DSO VANDERGRIFT, PA 515916
REPEAT | DO | PRI: | GOVT CONTRACT SEC ACCEPTING MILL 7219.33.0000 SHIPPER NO

> 13020102060000 30-096-179 1124 VANDERGRIFT PRODUCT CODE MILL ORDER NUMBER PA | 667644 109/13/16 DATE SHIPPED

<u>ن</u> 0

GRADE AND SPECIFICATIONS

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L) (ASME-SA-480 ED (ASTM-A-480-16A) (ASTM-A-240-16) (ASME-SA-240 ED 2015) 2015

ITEM PCS DIMENSIONS W/G/L CUST 48 (7024) 3468.

IDENTITY T304L.024X48

SKID

849356 HEAT # COIL #

AAB53839-B

8840300 TEST #

13770 GROSS

TARE NET

THEO

TAG #/

G

SKID #

50 13720

13770 50 13720

ORDER REMARKS: EMAIL -EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE INVOICE TO AP@SAMUEL.COM RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST

TW) 96

--C---

--MN--

-- P---

--S---

--SI--

--CR--

--NI--

--N---

1TEM TEST NO 001 8840300 TEST LOCATION HEAT 849356 TEST LOCATION # ELONG AT FRACTURE Y.S. BY 0.2% OFFSET METHOD .025 BN 49400. 48100 PSI \* AIELD 1.68 BN TENSILE & ELONG 97000. 96700. TC PSI . 035 BN IN 2" .0001 R/A BN 33 84.HRBW 84.HRBW TC HARDNESS 18.32 BN (69.HR30TW (69.HR30TW TC ( MEASURED 8.14 BN .07

BEND

NR

CORROSION ASTM GRAIN SIZE

NR = DATA NOT REQUIRED

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE

01

CONTINUED ON PAGE 02

Callinia in first calas conditions being connects solded at animal time out relapions but gift consist of damage. An interest calabid for your procession prefer ename is premit as it are time. If any shortage or damage is at solded connection was a late time. The control to the solded consistency of the

Safety Data Sheets for this product are evaluable on our websits, were XI threads is one. A through review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety a health considerations equified that she explainments to a product of the safety.

09/13/16 09:23:28

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

Stephen Wolff - Director Corporate Quality Assurance

# CERTIFICATE OF TEST

CUST ORD NO & DATE

09/12/16 788650 CUST CODE REPEAT DO DROER RATE 00023-0 25 VANDERGRIFT, PA |515916 ACCEPTING WILL ALIBO 7219.33.0000 SHIPPER NO

Flat Rolled Products

| 13020102060000 | 30-096-179 11124 |VANDERGRIFT PRODUCT CODE MILL ORDER NUMBER PA 667644 109/13/16 DATE SHIPPED

PRIME DSO 30 DSO 45

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L) CARRIER - SUNTECK TRANSPORTATION

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL

EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT. THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA

THE HARDNESS CONVERSION WAS PERFORMED USING EQUATIONS GIVEN IN ASTM E140 DEVELOPED FROM DATA IN TABLES 1, 2, 3, 5, AND 6. THE PARTICULAR EQUATION USED WAS BASED ON MATERIAL TYPE AND MEASURED HARDNESS SCALE. PER ASTM E140; THE CONVERSION VALUES ARE ONLY APPROXIMATE AND MAY BE INACCURATE FOR SPECIFIC APPLICATION.

PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 24 DATED 10/16/2015. THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE FEDERAL LAW PROHIBITS THE

FOR TESTING LOCATIONS TC, BN, MI, & LO: ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES

C, S BY COMBUSTION/INFRARED

MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF O, H BY INERT FUSION/THERMAL CONDUCTIVITY

AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES PB, BI, AG BY GFAA B BY OES

PAGE 02 - CONTINUED ON PAGE 03

CONSIGNEE: Press Note: This consignment was laimed over to safety Data Sheets for this product are available on our particular of the product of the configuration of the configuration of the product and all safety of the product of

09:23:28

The above is a live copy of date on file. The material and test results conform to the sales contract and spacification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

C17166
FORMS DISTRIBUTION
SOLD
1 SHIP SPEC CUST ORD NO & DATE

09/12/16 788650 CUST CODE | VANDERGRIFT, PA | 515916 | REPEAR | PRI Flat Rolled Products 7219.33.0000 SHIPPER NO

> 13020102060000 | 30-096-179 1124 VANDERGRIFT PRODUCT CODE WILL ORDER NUMBER PA | 667644 109/13/16 DATE SHIPPED

GRADE CARRIER - SUNTECK TRANSPORTATION "ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L)

ATI FLAT ROLLED PRODUCTS HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING, BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI-FLAT ROLLED PRODUCTS; 100 RIVER ROAD; BRACKENRIDGE, PA 15014
TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

>>>>>>> ~~~~~~ FOR ACCESS TO ONLINE CERTIFICATES OF REGISTER AT MYATI.ATIMETALS.COM TEST >>>>>>>>>

PAGE 03 -FINAL PAGE.

CONSIGNEE: Pleasa vigin. This consignment was furred over to current in first class consistent owing correctly suspend at a microliary or it exponsibility to you or damage an imprest called for your protection please examines in preent as it along services or sample in storage or sample in the control of many or it is a superior made. By the control of the control of many or it is a superior of many or its profession against on many or its before so, no. Safety Data Sheets for this product are available on our meibrid, www. A finedays com. A horough review of the Safety Data Sheet for the grade of material purchased shell be performed price to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and fest results conform to the sales contract and specification(s) as eat forth in A II Flat Rolled Products' Order Actnowledgement.

Stephen Wolff - T



# CERTIFIED MILL TEST/QUALITY CONTROL CERTIFICATE

PT: ALUMINDO LIGHT METAL INDUSTRY, TOK

DS. SAWOTRATAP GEDANGAN SIDOARJO 81254, INDONESIA

ORIGINAL

2115 LINWOOD AVENUE FORT LEE, NEW JERSEY 97024 Address PRIME ALUMINUM BHEET Product-Type

LIC NO. ILCOM71

DD. ::170118
ISSUED BY: RABOBANK NEDERLAND
NEW YORK, NY UNITED STATES Merch 18, 2017

RELEASE ORDER NUMBER: R159427

PT. ALUMINDO DIGHT, METALINDUSTRY, THE 32.6 28.6

Q. Assurance Machfud

COUNTRY OF MELT AND MANUFACTURE; INDONESIA...

IN IMPERIAL NOMENCIATURE REQUIRED PER SKID INDICATING A UNIQUE HEAT NUMBER INDICATING ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPONTS 98 1702(1037DK

17028119DK 17026119DK

080" X 60" X 120" -080" X 80" X 120"

0.0767 1.0900

5082 5052

H-32 H-32 H-32 H-32 天公 H-32

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> > 0.02

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17024027BK

040" X 48" X 86" .040" X 48" X 96"

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00,00

0.0394 1.8140

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0.0300 2.0030

8052

17026037DK

:040" X 48" X 96" 040"×45"×96"

38 170280278K

Description of Product

EMPIRE RESOURCES INC.

Customer:

Unique Host Number

Dimension .

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32.7

29.0

6052

12 2

Teimelide 0.10 max .220-2.00 0.25 max 0.40 max 0.10 max 0.10 max 0.05 max reimelide 0.10 max .220-2.00 0.25 max 0.40 max 0.10 max 0.10 max 0.05 max

Standard

020-080 Titlakness

STANDARDS, ASTM BZ08-10, AMS-QQ-A-250/8B AND AMS-4016L MATERIAL CONFORMS FOR ALLOY 5052, HIZ ALUMINUM ASSOCIATION

ALOISOSTEO

ALE1701387

#### CERTIFICATION DU MATÉRIEL

CLIENT:

ACIER OUELLETTE INC DIV.DE

SALABERRY-DE-VALLEYFIELD

935 BOUL DU HAVRE

SALABERRY-DE-VALLEYFIELD, QUEBEC

QC J6S 5L1

NUMÉRO DE COMMANDE:

14698292 000010

COMMANDE DU CLIENT:

AC10706

NUMÉRO DE PIÈCES: NUMÉRO DE LIVRAISON:

803365231 000010

NUMÉRO D'ARTICLE:

160002026

DESCRIPTION INVENTAIRE:

SHT 5052 H32 .040 X 48 X 96

DESCRIPTION ARTICLE FINIS: ALUM FL 5052 H32 Pl 0.04po X 48po X 96po

NUMERO (S) DE COULÉE

BRAME / BOBINE / TIN (le cas échéant)

17028037DK

6B17028037DK

#### CERTIFICATION

Un sondage de nos sources matérielles a indiqué que ni le mercure ni des substances radioactives ne sont introduits dans leurs produits ni ne sont utilisés dans aucun de leurs procédés. Alors que nous ne faisons aucun test indépendant pour le mercure ou la radiation, il n'y a rien dans le système qui pourrait entraîner la contamination de l'un ou l'autre type.

Ce document certifie que le matériel décrit ci-dessus a été expédié conformément à votre commande. Le producteur du matériel a certifié qu'il a été produit conformément aux spécifications suivantes:

ASTM B209

AMS 4016

Thomas Endres

Vice-président - Approvisionnement

10/31/2017



Shipped to

, Ontario,

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

ACIER OUELLETTE INC.
935, Boul. du Hâvre
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Date **Delivery date** Your order No Customer N° 039190 2017/10/30 CLI0001056 2017/11/03

Salesman Processed by Josianne Bourdon

Carrier **OUELLETTE VALLEYFIELD** 

Page **Credit Terme** Net 30 Days

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M	Del	<b>Delivery Route</b>	G		Page			H			
Droduct Description	-	Woight	0	M		PCS NB	)		Internal Use Only	al Use	Only
Floduct Description	0	Meight	Aih	U/M	CMD	EXP	B//0	NI	ı	SC	OUT
1 ROUND CR 3/4 1018 RANDOM RCR-34-V 5332		30.00	20.00	PI_\$CLB		8	-				
'L HEAT						5000					
2 ROUND STRESSPROOF 1 RANDOM RST-1-V <b>5804</b>		26.70	10.00	PI_\$CLB							
1 X 10' HEAT  COUPE A LA SCIE  SCIE  1			1.00	UN		0 7					
3 ALU PLATE 1/2 6061-T651 RANDOM PAL-126061-V 4229 1 X 7" X 72" HEAT AC10703-TH-01/11		25.38	3.50	PI2_\$CLB			B/c				
							-			-	



Shipped to

, Ontario,

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Instruction

Ţ

**Delivery Route** 

ACIER OUELLETTE INC.
935, Boul. du Hâvre
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Date **Delivery date** Customer N° CLI0001056 2017/10/30 2017/11/03

Your order N° 039190

Processed by Josianne Bourdon

Salesman

**Credit Terme** Carrier **OUELLETTE VALLEYFIELD** Net 30 Days

Att: CHANTAL LAVOIE Tél.: 613-632-5200 Page

83.04 10.00 P 1.00 P 58.44 6.00 P 1.00 P				PCS NB	Internal Use Only
ROUND ALU 3 6061-T6 RANDOM  RAL-3-V  5161  I X 10' HEAT  COUPE A LA SCIE  SCIE  1  ROUND ALU 3 1/4 6061-T6 RANDOM  RAL-314-V  5152  I X 6' HEAT  AC10703-TH-01/11  HEXAGONE SS 1/2 SS303 RANDOM NS  XSS-12303-V  8748  8.83  12.00 PI_\$CLB  1 X 12' HEAT  AC10703-TH-01/11  8748	Product Description	weight	Qty U/M	EXP	I S C
## S161    X 10' HEAT   COUPE A LA SCIE   1.00 UN     SCIE		83.04	1		
I X 10' HEAT  COUPE A LA SCIE  ROUND ALU 3 1/4 6061-T6 RANDOM RAL-314-V  5152  I X 6' HEAT AC10703-TH-01/11  HEXAGONE SS 1/2 SS303 RANDOM NS  XSS-12303-V  8748  I X 12' HEAT AC10703-TH-01/11				=	
COUPE A LA SCIE  1  ROUND ALU 3 1/4 6061-T6 RANDOM RAL-314-V  5152  1 X 6' HEAT AC10703-TH-01/11  HEXAGONE SS 1/2 SS303 RANDOM NS XSS-12303-V  8748  1 X 12' HEAT AC10703-TH-01/11	I X IO' HEAT			5_	
SCIE  1  ROUND ALU 3 1/4 6061-T6 RANDOM RAL-314-V  5152  1 X 6' HEAT AC10703-TH-01/11  HEXAGONE SS 1/2 SS303 RANDOM NS XSS-12303-V  8748  1 X 12' HEAT AC10703-TH-01/11	COUPE A LA SCIE			3	
ROUND ALU 3 1/4 6061-T6 RANDOM  RAL-314-V  5152  1 X 6' HEAT AC10703-TH-01/11  HEXAGONE SS 1/2 SS303 RANDOM NS XSS-12303-V  8748  1 X 12' HEAT AC10703-TH-01/11	SCIE 1				
8.83 12.00 PI_\$CLB		58,44	6.00 PI_\$CLB	7	
8.83	1 X 6' HEAT AC10703-TH-01/11			6	
1 X 12' HEAT AC10703-TH-01/11	6 HEXAGONE SS 1/2 SS303 RANDOM NS XSS-12303-V <b>8748</b>	8.83	12.00 PI_\$CLB	7	
	1 X 12' HEAT AC10703-TH-01/11			125	



Shipped to

, Ontario,

DART AEROSPACE LTD

HAWKESBURY, Ontario, K6A 1K7

1270, ABERDEEN ST.

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberny de Valleyfield (Québec) J6S 5L1

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

> Date Customer No 2017/10/30 CLI0001056

Delivery date Your order No 039190 2017/11/03

**Processed by** Josianne Bourdon

Salesman

Carrier

**OUELLETTE VALLEYFIELD** 

**Credit Terme** Net 30 Days

Page

Att: CHANTAL LAVOIE Tél.: 613-632-5200

	1 X 12' R/L HEAT AC10703-TH-01/11	1 X 12' R/L HEAT  AC10703-TH-01/11  9 ROND SS 2 303 RANDOM NS  RSS-2-V  8931	8 ROUND SS 1 303 RANDOM NS RSS-1303-V 8519	7 ROUND SS 3/4 303 RANDOM RSS-34303-V <b>5761</b>	Product Description	Instruction F-M
		130.80	32.04	90.12	Weight	<b>Delivery Route</b>
		#2.00 PI_\$CLB	12.00 PI_\$CLB	60.00 PI_\$CLB	Qty U/M	5
	25.		5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	12%	CMD EXP B/O	Page
3					Internal Use Only	L



Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Date Your order No Delivery date **Customer N°** Processed by 039190 2017/10/30 CLI0001056 Josianne Bourdon 2017/11/03

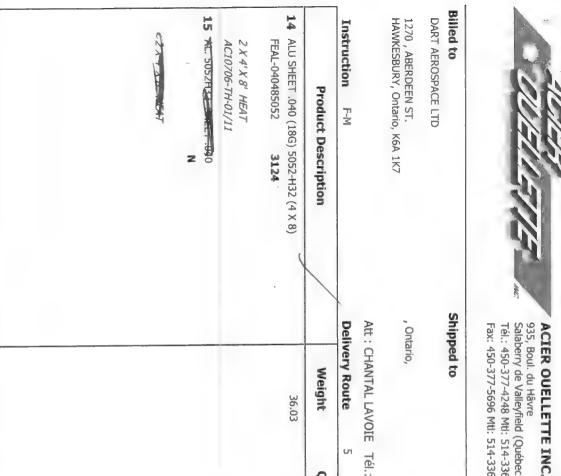
Salesman **Credit Terme** Carrier OUELLETTE VALLEYFIELD Net 30 Days

Page

Instruction F-M	Delivery Route	S	Page	.2
			PCS NB	Internal Use Only
Product Description	Weight	M/n Asô	CMD EXP B/O	IN I S C OUT
10 ALU SHEET .064 (14G) 2024-T3 (4 X 12)	86.50	26.00 PI2_\$CLB	707	
FEAL-0644122024 <b>3166</b>				
2 X 4' X 12' HEAT			747	
AC10705-SA-01/11				
11 FLAT SS 1/4 X 4 SS304 RANDOM FSS-144-V 3522	40.80	12.00 PI_\$CLB	78	
1 X 12' R/L HEAT			72	
04-2	201.60	96.00 PI2_\$CLB	22 4	
FESS-160463042D 3423			XX	
13 SHEET SS 24G SS304-2B (4 X 8)	33.60	32.00 PI2_\$CLB		
FESS-24G483U42B 3441				
I X 4' X 8' HEAT			4	

NIR: R-109516-6

877-6



	ACIER OUELLETTE INC.	NC.	Customer N°	CLI0001056
COUPLIFY IL	935, Boul. du Havre Salaberry de Valleyfield (Québec) 36S 5L1	bec) 16S 5L1	Date	2017/10/30
	Tél.: 450-377-4248 Mtl: 514 Fax: 450-377-5696 Mtl: 514	Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242	_	2017/11/03
			Your order No	039190
d to	Shipped to		Processed by	Josianne Bourdon
RT AEROSPACE LTD			Salesman	
0 , ABERDEEN ST. WKESBURY. Ontario. K6A 1K7	, Ontario,		Carrier	OUELLETTE VALLEYFIELD
	Att : CHANTAL LAVOIE 1	Tél.: 613-632-5200	Credit Terme	Net 30 Days
struction F-M			Page	S
Paradicat Paradication	180004		PCS NB	Internal Use Only
Product Description	weight	Qty U/M	CMD EXP B/O	IN I S C OUT
ALU SHEET .040 (18G) 5052-H32 (4 X 8) FEAL-040485052 <b>3124</b> 2 X 4' X 8' HEAT AC10706-TH-01/11	36.03	64.00 P7Z_\$CLB	2. 3	DA PIE
AL. 5052H34040		2.00 UN		
Z				
Christian V.			A	
tions:	Total Weight (Lbs):	883.88	NIR: R-109516-6	

Prepared By: Verified By: Conditions:

Delivered By :

Time

All sold and delivered materials remain the property of "Acier Quellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Quellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Quellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Customer's Signature

Date

Total (\$CAD)



DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Shipped to

, Ontario,

Customer N° CLI0001056

Date 2017/10/16

Processed by

Delivery date

2017/10/20

2017/10/20

2017/10/20

2017/10/20

Salesman

Carrier OUELLETTE VALLEYFIELD

Att : CHANTAL LAVOIE Tél.: 613-632-5200 Page **Credit Terme** Net 30 Days

				PCS NB		Internal Use Only	Only
riodact pescription	weight	M/n Ash	CMD	EXP B/O	N	I S C	TUO
1 SQUARE 4140 1/2 SPH ANN NS	10.00	12.00 ~ PI	7				
C4140-12A 9235				6			
1 X 12'				, S			
AC10294-JG-25/10			_				
2 ROUND 4140 ANNEALED 1 1/2 RANDOM	72.10	12.00 PI_\$CLB					
R4140-112A-V 4891							
I X 12'				7			
COUPE A LA SCIE		1.00 UN		2			
SCIE 1				- 6			
TRANSFERT ST-JEROME LE 18/07							

MATERIAL: MIDIBLE DATE: D.11-15		150			PO / BATCH N	10.: <u>02.8719</u> 1	יורססצ/ פ	
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:			THICKNESS ORDERED:					
DESCRIPTION	(Ch	CR eck (N)			COMMENTS	5		
SURFACE DAMAGE	Y	M						
CORRECT FINISH	(8)	N						
CORROSION	Y	0						
CORRECT GRAIN DIRECTION	(A)	N						
CORRECT MATERIAL PER M-DRAWING	$\bigcirc$	N	ASTM A	103				
CORRECT THICKNESS	(Y)	N						
PHOTO REQUIRED	Υ	(1)						
CORRECT REF # TO LINK CERT	(1)	N	AN PCEIL					
CORRECT MATERIAL IDENTFICATION		N						
CORRECT M# ON THE MATERIAL	(Y)	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	3						
CUT SAMPLE PIECE	= OF	MA"	TERIAL AND I	PREFOR	M A HARDNES	S CHECK.		
COT SAMI LE FILOL			ORD RESULT					
	- 1	_	HRC I	HRB	DURA	DUR D	WEBSTER	
TYPE OF MATERIAL								
SIZE OF TEST SAMPLE								
	NG							

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: 9 SIGNED OFF BY:

DATE: 17-11-15 DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Ch

M1018-R D.DDD WHERE D.DDD = DIAMETER IN INCHES DIA. MIL-S-7097 OF ASTM A108

PART NUMBER:

SPECIFICATION:

PURCHASE MATERIAL: AISI 1018-1025 ROUND BAR

EG. 7/8" ROUND BAR = M1018-R0.875 PER ASTM A108 AS FOLLOWS:

TOLERANCES:

SIZE UP TO 1.5" INCL. OVER 1.5" TO 2.5" INCL. OVER 2.5" TO 4.0" INCL. OVER 4.0" TO 6.0" INCL. OVER 6.0" TO 8.0" INCL. TOLERANCE +0.000/-0.002 +0.000/-0.003 +0.000/-0.004 +0.000/-0.005 +0.000/-0.006

THE OFFICE OF STREET

-	_	`	_						
DATE	DE APPR	APPROVED	MFG. APPR	CHECKED	DRAWN	DESIGN	REV	A	8
12.	Ä	VED	PPR	(ED	Z	Z		NEW ISSUE	REFOR
12.09.05	1	1	5	1.0.0	CP	DS		SSUE	MAT, ADD AST
COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT BY PRAYED BY LART AEROSPACE LTD THIS DOCUMENT BY PRAYED AND COMPOSITION THE PRAYER BY THE COMPOSITION AND THE PROPERTY OF THE PRAYER BY THE BY THE PRAYER BY THE PRAYER BY THE BY THE PRAYER BY THE BY TH	1018-1025 ROUND BAR	TITLE	M1018-X	DRAWING NO.	HAWKESBURY, ONTARIO, CANADA	DART AEROSPACE LTD	DESCRIPTION		REFORMAT, ADD ASTM A108, ADD TOLERANCES
DON THE COPPLE	AR				O, CANA	CEL	вү	SO	CP
ECHORON THAT IT IS CONDITION THAT IT IS	NTS	SCALE	SHEET 1 OF	REV. E	A	ᅙ	DATE	01 06 12	12 09 05

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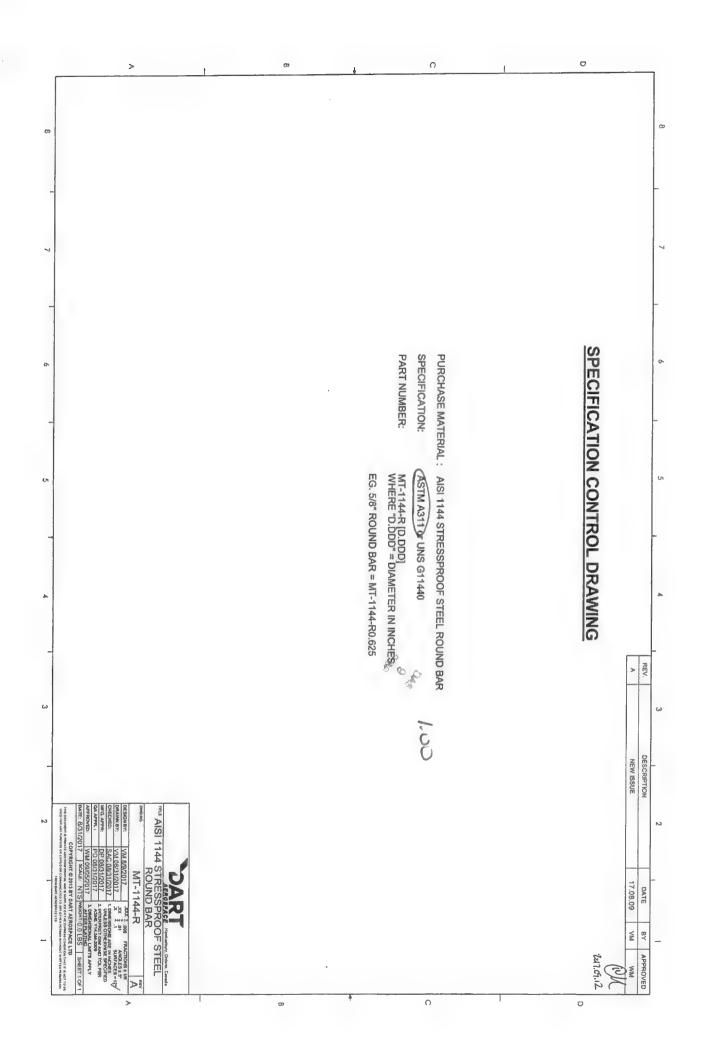
MATERIAL: MT.114  DATE: 17.11.15		1.00	PO / BATCH NO.: <u>10</u>	038190/8001
	95 10° 10°		THICKNESS ORDERED:  THICKNESS RECEIVED:  SHEET SIZE ORDERED:  SHEET SIZE RECEIVED:	
DESCRIPTION	(Ch	CR neck (N)	COMMENTS	
SURFACE DAMAGE	Y	N		
CORRECT FINISH	(Y)	N		
CORROSION	Y	(M)		
CORRECT GRAIN DIRECTION	(Y)	N		
CORRECT MATERIAL PER M-DRAWING	(A)	N	ASTM A311	
CORRECT THICKNESS	(Y)	N		
PHOTO REQUIRED	Y	(A)		
CORRECT REF # TO LINK CERT	8	N	015340	
ORRECT MATERIAL IDENTFICATION		N		
CORRECT M# ON THE MATERIAL	V	N		
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(1)		
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)		

CUT SAMPLE PIECE OF	MATERIAL A	ND PREFOR	M A HARDNE	SS CHECK.					
RECORD RESULTS BELOW									
HRC HRB DUR A DUR D WEBST									
TYPE OF MATERIAL									
SIZE OF TEST SAMPLE	SIZE OF TEST SAMPLE								
HARDNESS / DUROMETER READING									

testers located in the Quality Office

QC 18 INSPECTION	- Fu	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	200	SIGNED OFF BY:
DATE:	17:11:15	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



MATERIAL: HUDO	, <u>  T</u>	6 F	3.00		PO / BATCH	no.: <u>38/9</u>	0/
MATERIAL CERT REC'D:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	) )	1 5.44	THIC	CKNESS ORDER CKNESS RECEIV ET SIZE ORDER ET SIZE RECEIV	VED: 3.0	00
DESCRIPTION	(Ch	CR neck (N)			COMMENT	-S	
SURFACE DAMAGE	Y	(N)					
CORRECT FINISH	19	N					
CORROSION	Y	N					
CORRECT GRAIN DIRECTION	(4)	N					
CORRECT MATERIAL PER M-DRAWING	18	N	AST	M B22	2		
CORRECT THICKNESS	(Y)	N					
PHOTO REQUIRED	Y	(N)					
CORRECT REF # TO LINK CERT	(X)	N	HEI	1T# 31	33734		
CORRECT MATERIAL IDENTFICATION	8	N	1160	UITUR	(3.00)		
CORRECT M# ON THE MATERIAL	0	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	A					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	An					
CUT SAMPLE PIECE		RECC	RD RES	ULTS BELOV	N		
			HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READI							
QC 18 INSPECTION	<u>te</u>	esters	located in t	the Quality Offi		ING SIGNO	FF (if required)
INSPECTED BY:				SIG	NED OFF BY:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

DATE:

DELEASE

REV. B SHEET 10F 1 09 07 13 01.06.08 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M6061TGR DS BY 8 6061-T6 ROUND BAR B REFORMAT DWG. ADD 8211& 8221 SPEC (2N D8-1). DESIGN CAPENING CHECKED MFG. APPR. APPROVED CAPPR. DE APPR. DATE 09.07.13

R3.00

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SPECIFICATION CONTROL DRAWING

SPECIFICATION:

QQ-A-225/6 OR AMS-QQ-A-225/6 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PURCHASE MATERIAL: 6081-76/7651/76510/76511/762 ALUMINUM ROUND BAR

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WHERE "D.DDD" = DIAMETER IN INCHES EG. 5/8" ROUND BAR = M6061T6R0.625

M6061T6RID.DDD

PART NUMBER:

MATERIAL: MODE DATE: 17	elT	To F	3.2	57		PO / BATC	н NO.: <u>38/</u> "	30/	
DATE: 17	4111	103		-					
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:		THICKNESS ORDERED: 3.250 THICKNESS RECEIVED: 3.250 SHEET SIZE ORDERED: SHEET SIZE RECEIVED:							
DESCRIPTION	(Ch	CR eck (N)				COMMEN	TS		
SURFACE DAMAGE		(N)							
CORRECT FINISH	(Y)								
CORROSION		(No							
CORRECT GRAIN DIRECTION	(Y)	N	100	17 35					
CORRECT MATERIAL PER M-DRAWING	(X)	N	45L	43	2//				
CORRECT THICKNESS	X	N (N)							
PHOTO REQUIRED  CORRECT REF # TO LINK CERT	(X)	N	NE	17 #	.77	00802	NZ		
CORRECT MATERIAL IDENTFICATION	12.0	N	107	6/17	-/ F	23 3 (7)	0.6		
CORRECT M# ON THE MATERIAL	(Y)	N	119	00//	0/3	3.230			
DOES THIS MATERIAL REQUIRE	12	^							
ENGINEERING SIGN OFF	Υ	(D)							
DOES THIS REQUIRE AN		^							
EXTRUSION REPORT	Υ	(N)							
CUT SAMPLE PIECE	- 05	BAAT	EDIAL /	VID DDI	ECOPI	A A HARDNIE	SS CHECK		
CUT SAMPLE PIECE			ORD RES				LOO ONLON.		
			HRC	I HR		DUR A	DUR D	WEBSTER	
TYPE OF MATERIAL			11110	1					
SIZE OF TEST SAMPLE									
HARDNESS / DUROMETER READII	NG								
		sters	located in	the Qual	ity Offic	e			
QC 18 INSPECTION						ENGINEE	RING SIGNO	FF (if required)	
1.									

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SIGNED OFF BY:

O PART NUMBER: SPECIFICATION: PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221 EG. 5/8" ROUND BAR = M6061T6R0.625 WHERE "D.DDD" = DIAMETER IN INCHES M6061T6RID.DDD SPECIFICATION CONTROL DRAWING R3,250 MFG. APPR CHECKED B REFORMAT DWG, ADD 8211& 8221 SPEC (ZN D6-1), 09.07.13 DART AEROSPACE LTD
HAVINGESBURY, ONTARIO, CANADA
DRAWING NO.
M6061T6R
SHEE 6061-T6 ROUND BAR COPYRIGHT © 2001 BY DARY ARROSPACE LTD

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FOR HIT PARENCE OF CONCIONATION TO THE OTHER RETURNS HAVE A

WELLT SHE PROMISSION OF THE BASE AND AUGUSTUS TO THE SG SHEET 1 OF 1 01 06.08 09 07 13 DATE

MATERIAL: M30	3/	40.	STU 3		P	O / BATCH	NO.: <u>3</u>	8P?	D
MATERIAL CERT REC'D:	10	/)		T	HICKNE	SS ORDE	RED:	15	(2)
MATERIAL CERT REC'D:QUANTITY RECEIVED:	Ti	31				SS RECEI			
QUANTITY INSPECTED:									
QUANTITY REJECTED:						ZE RECEI			
DESCRIPTION	(Ch	CR leck (N)			C	COMMEN <sup>-</sup>	TS		
SURFACE DAMAGE	Υ	N							
CORRECT FINISH	Υ	N							
CORROSION	Υ	N							
CORRECT GRAIN DIRECTION	Y	N	16	11 16	-01			-	
CORRECT MATERIAL PER M-DRAWING	Y	N	AS	MAS	133				
CORRECT THICKNESS	Y	N							
PHOTO REQUIRED	Υ	N	11-	AT# L	150	7//			
CORRECT REF # TO LINK CERT	Y	N		1340		266			
CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL	Y	N	1131	) 5 H U.	YW				
	1	14							
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	N							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N							
CUT SAMPLE PIECE		RECO		ND PREFOULTS BEL	.OW	HARDNE	SS CHE		WEBSTER
TYPE OF MATERIAL			77.10						
SIZE OF TEST SAMPLE									
HARDNESS / DUROMETER READI	VG								
DC 18 INSPECTION INSPECTED BY:	<u>te</u>	esters	located in	the Quality (	E		RING SIC	SNOF	F (if required)
INSPECTED BY:				S	IGNED	OFF BY:			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

DATE:



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PURCHASE MATERIAL: AISI 303 SS HEX BAR (NOTE: AISI 304/318 NOT ACCEPTABLE)
SPECIFICATION: ASTM A582

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M303H X.XXX HEX DIA.

PART NUMBER:

WHERE "X.XXX" = INSCRIBED DIAMETER OF HEX BAR IN INCHES EG. 0.5" HEX BAR = M303H0.500

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SOD 1411/03



DESCRIPTIO	DESCRIPTION DESCRI	DESIGN  DESIGN  CHECKED  MFG, APPR.  APPROVED  DESCRIPTION  DESCRIPTIO	DESCRIPTION DRAWING M303H	> 00	REFORMAT REF PAR 08	REFORMAT DWG, ADD SPECS (ZN D8-1), REF PAR 08-020A NEW ISSUE	PECS (ZN D	<b>8-1)</b> ,	9-1), CP
DART AER HAWKESBURY, DRAWING NO.	DART AER HAWKESBURY, DRAWING NO. M303H	<u>3</u> ₹	工 3 高	NEW	1 6		SCRIPTION		87 08
DRAWING NO.	DRAWING NO.  M303H	3 8	工 30 8			4	DART AFROSPACE LTD	Ö	PACEL
7	20	By.	* Sur			a	HAWKESBURY, ONTARIO, CANADA	VTAR	VTARIO, CANAL
	500	Se de	\$ 3h	X	Ü	>	DRAWING NO.		

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MATERIAL: M30 DATE: 17	37	103	250		F	PO / BATCH	ino.: <u>38/</u>	30
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	4	12		T	HICKN HEET	ESS RECE	RED: 7	\$0
DESCRIPTION	(Ch	CR eck (N)				COMMEN	TS	
SURFACE DAMAGE	Y	(N)						
CORRECT FINISH	(8)	N						
CORROSION	Y	14						
CORRECT GRAIN DIRECTION	00	N						
CORRECT MATERIAL PER M-DRAWING	V	N	ASTM	AS	82			
CORRECT THICKNESS	8	N						
PHOTO REQUIRED	Y	N						
CORRECT REF # TO LINK CERT	(X)	N	HEAT	4	109	862		
ORRECT MATERIAL IDENTFICATION	_	N	1930	3R.	750			
CORRECT M# ON THE MATERIAL	8	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	R						
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)						
CUT SAMPLE PIECE			TERIAL AND			A HARDNE	SS CHECK.	
			HRC	HRB		DUR A	DUR D	WEBSTER
YPE OF MATERIAL								
IZE OF TEST SAMPLE								
ARDNESS / DUROMETER READI	NG							
		esters	located in the	Quality	Office			

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	and	SIGNED OFF BY:
DATE:	17/11/03	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

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PURCHASE

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SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR (NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION: PART NUMBER:

1

ASTM A582 M303RID.DDD

WHERE "D.DDD" = DIAMETER IN INCHES EG. 0.75" ROUND BAR = M303R0.750

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MATERIAL: <u>430</u> DATE: <u>17</u>		03	.00.			PO / BATCH	NO.: 3819	0
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	1	2,	4	. т	HEET	IESS RECE SIZE ORDE	RED: 2,0	00
DESCRIPTION	,	CR eck (N)				COMMEN	TS	
SURFACE DAMAGE		(N)						
CORRECT FINISH	W	Ň						
CORROSION	Υ	N						
CORRECT GRAIN DIRECTION	(Y)	N						
CORRECT MATERIAL PER M-DRAWING	Y	N	ASTI	1 AS.	82			
CORRECT THICKNESS	(Y)	Ň						
PHOTO REQUIRED	Y	W						
CORRECT REF # TO LINK CERT	(Y)	N	HE	47#	43	9573		
CORRECT MATERIAL IDENTFICATION	(Y)	N	1930	13R2	.DC	)		
CORRECT M# ON THE MATERIAL	Y	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(2)						
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)						
					001:	4.110.000.11	-00 OHEOV	
CUT SAMPLE PIECE	E OF	MA REC	FERIAL AF ORD RESI	ND PREF ULTS BE	LOW	A HARDNE		
			HRC	HRB		DUR A	DUR D	WEBSTER
TYPE OF MATERIAL								-
SIZE OF TEST SAMPLE								
HARDNESS / DUROMETER READI	NG							
	te	esters	located in t	the Quality	Office			
	<u>te</u>	esters	located in t	the Quality	Office			

DATE: 17/1/03 DATE:

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

OC 18 INSPECTION

INSPECTED BY:

MATERIAL: _M30	3 R	1.0	00_	_		PO / BATCH	NO.: 3819	30
DATE: 17/	$(\phi_1)$	03		-				
MATERIAL CERT REC'D:	USL.				THICK	NESS ORDER	RED: 1-10	0
QUANTITY RECEIVED:	11	51			THICKN	IESS RECEIV	/ED: /. 6f	7
QUANTITY INSPECTED:	14	1		•	SHEET	SIZE ORDER	RED:	
		SL.		-			/ED:	
QUANTITY REJECTED:		_		-	SHEET	SIZE RECEIV	VLD	
	NC					COMMENT		
DESCRIPTION	(Che					COMMENT	3	
	Y/I							
SURFACE DAMAGE	$\rightarrow$	(N)						
CORRECT FINISH	(Y)	N						
CORROSION	Y	()						
CORRECT GRAIN DIRECTION	(X)	N	167	MAG	-05			
CORRECT MATERIAL PER M-DRAWING	(Y	N	A>1	MA	202			
CORRECT THICKNESS	(0)	N						
PHOTO REQUIRED	Y	(1)	17=	171	1	7 V		
CORRECT REF # TO LINK CERT	(Y)	N	45	4T#	507			
CORRECT MATERIAL IDENTFICATION		N	1156	13KI	UU_			
CORRECT M# ON THE MATERIAL	(8)	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	Ro						
DOES THIS REQUIRE AN		<b>a</b> .						
EXTRUSION REPORT	Y	(N						
CUT SAMPLE PIEC	= 0=	5 0 A "	TEDIAL /	AND DDE	FORM	A HARDNE	SS CHECK	
CUT SAMPLE PIECI	E OF	IVIA	I EKIAL A	SULTS B	FLOW	A HANDINE	oo on Lore.	
		_	HRC	HR		DUR A	DUR D	WEBSTER
TO OF MATERIAL			TRU	TIIN	-	DOINA	5011.5	
TYPE OF MATERIAL				-				
SIZE OF TEST SAMPLE	NIC				-			
HARDNESS / DUROMETER READI		-4	le coted is	the Quali	y Office			
	<u>re</u>	sters	located ir	the Quan	y Office			
TO 10 WISDINGTION						ENGINEER	RING SIGNO	FF (if required)
QC 18 INSPECTION						LINGHALLI	til to blolto	i (ii rodanca)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SIGNED OFF BY:

INSPECTED BY:

DATE:

R 2010 -02 - 02

63	REFORMAT REF PAR 08	MAT DWG, ADER OB-020A	ORMAT DWG, ADD SPECS (ZN D8-1), PAR 08-020A	8	10.01.05
4	NEW ISSUE	SUE		SQ	01 12.20
REV			DESCRIPTION	ВУ	DATE
DESIGN		B	DART AEROSPACE LTD	ACE L	10
DRAWN	_	ap	HAWKESBURY, ONTARIO, CANADA	IO, CANA	DA
CHECKED	9	-41	DRAWING NO.		REV. B
MFG. APPR.	PPR.	B	M303R		SHEET 1 OF 1
APPROVED	VED	Sof.	TITLE		SCALE
DE APPR.	D.	1	303 ROUND BAR		STN
DATE	10.0	10.01.05	COPYRIGHT © 2601 BY DART AEROSPACE LTD THE DOCUMENT OF THE DOCUMENT STORES AND THE STORES THE DOCUMENT WITH A THE DOCUMENT WITH STORES AND THE STORES THE STORES WITHOUT AND THE SAME THE SAME AND THE STORES AND THE SAME THE SAME AND THE SAM	AEROSPACI DUTTE LITTER	E LTD IS CONDITION THAT IT IS HER RESEAU WITHOUT

PURCHASE MATERIAL: AISI 303 SS ROUND BAR (NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

1

PART NUMBER:

ASTM A582

M303RID.DDD DIA.

WHERE "D.DDD" = DIAMETER IN INCHES EG. 0.75" ROUND BAR = M303R0.750

X 2 . B

R 1.00 mx 12/11/03

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SPECIFICATION CONTROL DRAWING

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MATERIAL: MAON					PO / BATCH N	10:: <i>10035</i>	17002/0911
MATERIAL CERT REC'D:  QUANTITY RECEIVED:	5			THICH	(NESS ORDER	ED: . 0	69
QUANTITY RECEIVED: 09	450	: /5+		THICK	NESS RECEIV	ED: . C	La3
QUANTITY INSPECTED: 9	Le	0 15	24				
	-/	7/5	7				
QUANTITY REJECTED:	7						
DESCRIPTION	(Ch	CR leck (N)			COMMENTS	S	
SURFACE DAMAGE		(N)		-			
CORRECT FINISH	N	N					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	Y	N					
CORRECT MATERIAL PER M-DRAWING	Y	N	AMS QQ.	A-250			
CORRECT THICKNESS	(Y)	N					
PHOTO REQUIRED	Y	N					
CORRECT REF # TO LINK CERT	(8)	N	23710181				
CORRECT MATERIAL IDENTFICATION		N					
CORRECT M# ON THE MATERIAL	(Y)	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	R					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(A)					
	- 05		EPPIAL AND I	DEFOR!	AALIABDNES	S CHECK	
CUT SAMPLE PIECI			ORD RESULT			S CFILCR.	
				HRB	DURA	DUR D	WEBSTER
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE		-					
HARDNESS / DUROMETER READI	NG						
HANDINESS / DONORIE LEN NEADI		0040	located in the Q	unlity Office			-

QC 18 INSPECTION	30.00	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	9	SIGNED OFF BY:
DATE:	17.11.15	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

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PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET

SPECIFICATION:

QQ-A-250/4 ORAMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209

PART NUMBER:

M2024T3S XXX

SA. SALI

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PREFERRED SIZE:

XXX BY 4FT BY 10FT

EG. 0.063" THICK SHEET = M2024T3S.063 WHERE ".XXX" = SHEET THICKNESS (IN INCHES)

DESIGN
DRAWN
CHECKED
MFG. APPR.
APPROVED NEW ISSUE REFORMAT DWG, ADD ASTM B209 SPEC (ZN 08-1), PAR 09-020A DRAWING NO. M2024T3S DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA BY DS Ç 01.09.24 DATE 09.07.07

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REV. B. SHEET 1 OF 1

09.07.07

TITLE NISSET SPEC NISSECT SPEC NISSECT SPECE TO COPPRIENT SPECE SPECE TO COPPRIENT SPECE S SCALE

MATERIAL:	/ /	2×4.0	00	PO / BATCH	NO.: <u>3819</u>	0
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	12. 12.		TH SH	IICKNESS ORDE ICKNESS RECEI EET SIZE ORDEI EET SIZE RECEI	VED: -2	50
DESCRIPTION	NCR (Check Y/N)			COMMEN	rs	
SURFACE DAMAGE	YIN					
CORRECT FINISH	Y N					
CORROSION	YOU					
CORRECT GRAIN DIRECTION	(Ŷ N					
CORRECT MATERIAL PER M-DRAWING	(Y) N	AS7	MA27	26 ASTI	14240	
CORRECT THICKNESS	(Ý) N					
PHOTO REQUIRED	YIN					
CORRECT REF # TO LINK CERT	(Y) N	HE,	ATH S	72/098		
CORRECT MATERIAL IDENTFICATION	YN	1731	)4B.2°	70x4.20		
CORRECT M# ON THE MATERIAL	YN					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	YN					
DOES THIS REQUIRE AN EXTRUSION REPORT	YW					
CUT SAMPLE PIECI	- 05 1443	FEDIAL A	ND DDEEC	DAA A HADDNE	SS CHECK	
CUT SAMPLE PIECE			ULTS BELO		35 CHLOR.	
		HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL		nkc	TIND	DONA	DOIND	- WEDOTEK
TYPE OF MATERIAL	-					
SIZE OF TEST SAMPLE HARDNESS / DUROMETER READI	NG -					
HARDNESS / DUROWETER READI		loosted in	the Quality O	ffice		1
QC 18 INSPECTION				ENGINEER	RING SIGNOR	F (if required)
_ //						
INSPECTED BY:			SI	GNED OFF BY:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

DATE:

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SPECIFICATION: PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE (NOTE: AISI 303 NOT ACCEPTABLE) ASTM A276 OR ASTM A240

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M304B T.TTT X WWW.WWWW WHERE "T.TTT" = THICKNESS IN INCHES AND "WWY.YWWW" = WIDTH IN INCHES

PART NUMBER:

EG. 0.5° x 3.0" BAR = M304B0.500X03.000 EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

20x 400 E

2010 - 11- 30

ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE RELATED SPECIFICATIONS, AND EG.; CHANGED TITLE FROM "304/316 BAR/PLATE" REFORMAT DWG, ADD SPECS (ZN D6-1), REF PAR 08-020A 10.11.25 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA Hd Hd ç

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M 10.11 25

DATE 05.06.10 09.07 15

MATERIAL: M3045  DATE: N.11-15					PO / BATCH NO	::6083	190/2007
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	59 59	/F1		THIC	KNESS ORDERE KNESS RECEIVE ET SIZE ORDERE ET SIZE RECEIVE	D: 18	GA
DESCRIPTION		R eck (N)			COMMENTS		
SURFACE DAMAGE		(N)					
CORRECT FINISH	(8)	N					
CORROSION	Y	(4)					
CORRECT GRAIN DIRECTION	(2)	N	^ -				
CORRECT MATERIAL PER M-DRAWING	00	N	H37M	D240			
CORRECT THICKNESS	0	N					
PHOTO REQUIRED	Y	N N					
CORRECT REF # TO LINK CERT		N					
CORRECT MATERIAL IDENTFICATION	B	N					
CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE  ENGINEERING SIGN OFF	Y	B					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIEC	E OF	MA REC	TERIAL AN	JLTS BELO	Ν		
			HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READ	NG	esters					

DATE: 17-11-15 SIGNED OFF BY: \_\_\_\_\_\_\_ DATE:

ENGINEERING SIGNOFF (if required)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DAS

QC 18 INSPECTION

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PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED

W

888 8 KM KJ

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	E THICKNESS		PART NUMBER:	- FINIST.		SPECIFICATION:
GAUGE (IN)  GAUGE (IN)  26 0.028175  27 0.028175  28 0.028175  29 0.03125  20 0.034375  20 0.0350  18 0.0550  19 0.0550  18 0.0550  19 0.05525  19 0.05625  19 0.05625  19 0.05625  19 0.05625  10 0.05625  10 0.0703125  11 0.1252  12 0.189375  12 0.189375  13 0.189375  14 0.078125  15 0.078125  16 0.2378  17 0.1855  18 0.23813  19 0.23656  10 0.23656  10 0.23656  10 0.23656  10 0.23656  10 0.23656  10 0.23656	EG. 16 GAUGE SS SI EG. 16 GAUGE SS SI GAUGE THICKNESS REFERENCE:	ERE "#P" =	M304S TT GA #P	FINISH UNPOLISHED No. 1 UNPOLISHED No. 2D UNPOLISHED No. 2B POLISHED No. 3 POLISHED No. 4 BUFFED No. 6 BUFFED No. 7 BUFFED No. 8	OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR AGME 6A240	MIL-S-5059
XX. THICKNESS  RANGE (IN)  RANGE (IN)  0.0178 - 0.019  0.0199 - 0.029  0.030 - 0.032  0.033 - 0.035  0.041 - 0.046  0.041 - 0.052  0.053 - 0.066  0.064 - 0.072  0.059 - 0.065  0.069 - 0.072  0.073 - 0.083  0.084 - 0.083  0.084 - 0.083  0.084 - 0.083  0.085 - 0.085  0.065 - 0.072  0.073 - 0.145  0.115 - 0.130  0.115 - 0.130  0.116 - 0.176  0.182 - 0.194  0.182 - 0.194  0.194 - 0.212  0.238 - 0.263  0.238 - 0.263  0.259 - 0.293  0.301 - 0.325	SHEET 2B FINISH = M304S16GA SHEET No. 4 POLISHED = M304S16GA4P	GAUGE THICKNESS FINISH IDENTIFIER		DART M-NUMBER DENTIFIER 2D 1P 2D NONE 3P 4P 6P 7P 8P	8-85	\(\frac{1}{2}\)

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CHECKED MFG. APPR.

APPROVED

15.01.06

304/316 SS SHEET

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DESIGN DRAWN

REV.

DESCRIPTION

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M304S

SHEET 1 OF 1

REV. D SCALE

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NEW ISSUE

C DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL PIN WITH FINISH OTHER THAN 28 (ZN 85).

ADDED GAUGES 0-7.

REFORMAT DWG, ADD ASTMUASME SPECS (ZN D6-1), ADD GAUGE REF (C6-1), REF PAR 06-020A

S MB

01.09.24 09.06.01 DATE

12.09.20 15.01.06

ECN 15-522 9 2015 FEB 04

RELEASED

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QUANTITY INSPECTED:  QUANTITY REJECTED:  QUANTITY INSPECTED:  QUANTITY INSPECTED:  QUANTITY INSPECTED:  QUANTITY INSPECTED:  QUANTITY REJECTED:  Q	ECEIVED: _ PRDERED: _	240	GA GA
DESCRIPTION  (Check Y/N)  SURFACE DAMAGE Y CORRECT FINISH CORROSION Y CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARRECORD RESULTS BELOW			
CORRECT FINISH  CORROSION  CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAF RECORD RESULTS BELOW	MENTS		
CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAF RECORD RESULTS BELOW			
CORRECT GRAIN DIRECTION			
CORRECT MATERIAL PER M-DRAWING (Y) N A STM ADVO  CORRECT THICKNESS (Y) N  PHOTO REQUIRED Y (N)  CORRECT REF # TO LINK CERT (Y) N BY356  CORRECT MATERIAL IDENTFICATION (Y) N  CORRECT M# ON THE MATERIAL (Y) N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y (N)  DOES THIS REQUIRE AN EXTRUSION REPORT Y (N)  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARRECORD RESULTS BELOW			
CORRECT THICKNESS (Y) N  PHOTO REQUIRED Y (N)  CORRECT REF # TO LINK CERT (Y) N  CORRECT MATERIAL IDENTFICATION (Y) N  CORRECT M# ON THE MATERIAL (Y) N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y (N)  DOES THIS REQUIRE AN EXTRUSION REPORT Y (N)  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAP RECORD RESULTS BELOW			
PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION (Y) N  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAP RECORD RESULTS BELOW			
CORRECT REF # TO LINK CERT (Y) N SY356  CORRECT MATERIAL IDENTFICATION (Y) N  CORRECT M# ON THE MATERIAL (Y) N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y (N)  DOES THIS REQUIRE AN EXTRUSION REPORT Y (N)  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAP RECORD RESULTS BELOW			
CORRECT MATERIAL IDENTFICATION Y N  CORRECT M# ON THE MATERIAL Y N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y N  DOES THIS REQUIRE AN EXTRUSION REPORT Y N  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAF RECORD RESULTS BELOW			
CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAR RECORD RESULTS BELOW			
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAR RECORD RESULTS BELOW			
ENGINEERING SIGN OFF Y N  DOES THIS REQUIRE AN EXTRUSION REPORT Y N  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAP RECORD RESULTS BELOW			
DOES THIS REQUIRE AN EXTRUSION REPORT Y N  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HAP RECORD RESULTS BELOW			
RECORD RESULTS BELOW			
RECORD RESULTS BELOW			
	DNESS CF	HECK.	
HRC HRB DUR		JR D	WEBSTER
TYPE OF MATERIAL	A DL		
SIZE OF TEST SAMPLE	A DL		
HARDNESS / DUROMETER READING	A DU		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY:

QC 18 INSPECTION

INSPECTED BY:

DATE: 1711-15

PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED

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SPECIFICATION:

MIL-S-5059
OR ANS 5513 (304)
OR ANS 5524 (316)
OR ASTIM A240
OR ASME 57240

ST GA

FINISH:

FINISH
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 2D
UNPOLISHED No. 3
POLISHED No. 3
POLISHED No. 4
BUFFED No. 6
BUFFED No. 6
BUFFED No. 7
POLISHED No. 6
POLISHED No. 7
POLISHED No. 8
POLISHED No. 7
POLISHED No. 8
POLISHED No. 8
POLISHED No. 8
POLISHED No. 7
POLISHED No. 8
POLISHED N

BUFFED NO. 8

PART NUMBER: M304S | TT | GA #P

WHERE "TT" = GAUGE THICKNESS WHERE "#P" = FINISH IDENTIFIER EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

RELEASED 2015 FEB 04

ECN 15- 122 9

OVED TITLE 304/316 SS SHEET CONTRIBUTE 2011 BY DART ARROPAGE 15.01.06 Instrument and production in contrast and production in con	M304S SHEE	~	AS	GN DS DART AFROSPACE ITD	DESCRIPTION BY DATE	NEW ISSUE DS 01.09.24	REFORMAT DWG, ADD ASTMIASME SPECS (ZN D8-1), ADD CP 09.06.01 GAUGE REF (C8-1), REF PAR 08-020A		DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL PIN WITH FINISH OTHER THAN 28 (ZN 85).
APPROVED DE APPR. DATE 15	MFG. APPR.	CHECKED	DRAWN	DESIGN	REV.	A NE	B RE	C MA	אינים פאספרט פייי

MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:  QUANTITY REJECTED:  WCR (Check Y/N)  SURFACE DAMAGE CORRECT FINISH CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING PHOTO REQUIRED  CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION N  THICKNESS ORDERED:  THICKNESS ORDERED:  ONG CHICKNESS RECEIVED:  SHEET SIZE RECEIVED:  COMMENTS  COMMENTS  COMMENTS  COMMENTS  N  COM
DESCRIPTION  (Check Y/N)  SURFACE DAMAGE Y  CORRECT FINISH Y  CORROSION Y  CORRECT GRAIN DIRECTION Y  CORRECT MATERIAL PER M-DRAWING Y  PHOTO REQUIRED  CORRECT MATERIAL IDENTFICATION Y  N  CORRECT MATERIAL IDENTFICATION Y  N  CORRECT MATERIAL IDENTFICATION Y  N  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS
CORRECT FINISH  CORROSION  CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION  N  N  N  N  N  N  N  N  N  N  N  N
CORROSION Y    CORRECT GRAIN DIRECTION Y    CORRECT MATERIAL PER M-DRAWING Y    CORRECT THICKNESS Y    PHOTO REQUIRED Y    CORRECT REF # TO LINK CERT Y    CORRECT MATERIAL IDENTFICATION Y    N
CORRECT GRAIN DIRECTION (*) N  CORRECT MATERIAL PER M-DRAWING (*) N  CORRECT THICKNESS (*) N  PHOTO REQUIRED Y (N)  CORRECT REF # TO LINK CERT (*) N  CORRECT MATERIAL IDENTFICATION (*) N
CORRECT MATERIAL PER M-DRAWING (Y) N CO. A-250/3  CORRECT THICKNESS (Y) N  PHOTO REQUIRED Y (N)  CORRECT REF # TO LINK CERT (Y) N TOOMSOND K  CORRECT MATERIAL IDENTFICATION (Y) N
CORRECT THICKNESS (Y) N  PHOTO REQUIRED Y (N)  CORRECT REF # TO LINK CERT (Y) N TOOK 0370 K  CORRECT MATERIAL IDENTFICATION (Y) N
CORRECT THICKNESS (Y) N  PHOTO REQUIRED Y (N)  CORRECT REF # TO LINK CERT (Y) N TOOK OSTOK  CORRECT MATERIAL IDENTFICATION (Y) N
CORRECT REF # TO LINK CERT (V) N NOOBOSTOK
CORRECT MATERIAL IDENTFICATION (V) N
CORRECT M# ON THE MATERIAL (Y) N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y
DOES THIS REQUIRE AN EXTRUSION REPORT  Y
CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW
HRC HRB DUR A DUR D WEBSTER
TYPE OF MATERIAL
SIZE OF TEST SAMPLE
HARDNESS / DUROMETER READING

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: 9

SIGNED OFF BY: \_\_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE: N.II.IS

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PURCHASE MATERIAL: 5052-H32 ALUMINUM SHEET

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QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209 980

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SPECIFICATION:

PART NUMBER:

EG. 0.063" THICK SHEET = M5052H32.063 WHERE ".XXX" = SHEET THICKNESS (IN INCHES) M5052H32S|.XXX

0

PREFERRED SIZE:

XXX BY 4FT BY 8FT

DESIGN
DRAWN
CHECKED
MFG. APPR.
APPROVED DE APPR. REV. 
 B
 REFORMAT DWG, ADD 8299 SPEC (ZN D8-1), PAR 08-020A
 CP
 09-09-26

 A
 NEW ISSUE
 DS
 01.06-08

 REV.
 DESCRIPTION
 BY
 DATE
 09.09.26 TITLE SPEC NTS

5052-H32 SHEET SPEC NTS

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HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M5052H32S
SHEI SHEET 1 OF 1 SCALE NTS REV. B

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